

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

AJEO Testing Labs Private Limited

13A/08 Site-2, Loni Road, Mohan Nagar,
Ghaziabad-201007, Uttar Pradesh, India

has been assessed and accredited in accordance with the Standard
ISO/IEC 17025:2017

“General Requirements for the Competence of Testing and Calibration Laboratories”
In the field of
Testing

This certificate remains valid for the Scope of Accreditation as specified
in the annexure subject to continued compliance to the above standard &
any other requirements specified by QAI.



QAI/CIA/TL/2024/0037

(Date of First Accreditation: 02 February 2024 - 01 February 2026)

Valid from: 02 February 2026

Valid until: 01 February 2028

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
1.	Coarse Aggregates	Alkali Aggregate Reactivity (Dissolved Silica)	IS2386(P-VII):1963
2.		Alkali Aggregate Reactivity (Reduction in Alkanity)	IS2386(P-VII):1963
3.		Chlorides	IS14959(P-2):2001
4.		Chloride	IS14959(P-2):2001
5.		Sulphate	BS1881(P-124):2015
6.		Sulphate	IS 4032:1985
7.	Fine Aggregates	Alkali Aggregate Reactivity (Dissolved Silica)	IS2386(P-VII):1963
8.		Alkali Aggregate Reactivity (Reduction in Alkanity)	IS2386(P-VII):1963
9.		Chlorides	IS14959(P-2):2001
10.		Chloride	IS14959(P-2):2001
11.		Sulphate	BS1881(P-124):2015
12.		Sulphate	IS 4032:1985
13.	Cement (OPC, PPC)	Alumina (Al ₂ O ₃)	IS4032:1985
14.		Chlorides (Cl)	IS 4032:1985
15.		Insoluble Residue (IR)	IS 4032:1985

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
16.	Cement (OPC, PPC)	Iron Oxide (Fe ₂ O ₃)	IS 4032:1985
17.		Lime (CaO)	IS 4032:1985
18.		Magnesia (MgO)	IS 4032:1985
19.		Potassium oxide (K ₂ O)	IS 4032:1985
20.		Sodium oxide (Na ₂ O)	IS 4032:1985
21.		Sulphuric Anhydride (SO ₃)	IS 4032:1985
22.		Loss on Ignition	IS 4032:1985
23.		Silica (SiO ₂)	IS 4032:1985
24.		Fresh & Hardened Concrete	Sulphate
25.	Sulphate		BS 1881(pt-124):2021
26.	Water & Acid Soluble Concrete		IS 14959 (Pt-1):2001
27.	Hardened Concrete	Water & Acid Soluble Chloride	IS 14959 (Pt-1):2001
28.	Admixture	Ash Content	IS 9103:1999
29.		Chloride Content	IS 6925:1973
30.		Dry Material Content	IS 9103:1999
31.		pH Value	IS 9103:1999

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
32.	Fly Ash	Relative Density	IS 9103:1999
33.		Sulphate	IS 4032:1985
34.		Alumina (Al ₂ O ₃)	IS 1727:1967
35.		Available Alkali (Na ₂ O)	IS 3812 (P-1) (Annex-C):2013
36.		Total Chlorides (Cl)	IS 4032:1985
37.		Iron Oxide (Fe ₂ O ₃)	IS 1727:1967
38.		Lime (CaO)	IS 1727:1967
39.		Loss on Ignition (LOI)	IS1727:1967
40.		Magnesia (MgO)	IS1727:1967
41.		Potash(K ₂ O)	IS1727:1967
42.		Silica (SiO ₂)	IS1727:1967
43.		Soda (Na ₂ O)	IS 3812 P-1 ANX C
44.		Sulphuric Trioxide (SO ₃)	IS1727:1967
45.		Gypsum	Free Lime
46.	Lime (Cao)		IS1288:1982
47.	Loss on Ignition (LOI)		IS 2547 (P-1):1976

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
48.		Soluble Magnesium Salts (MgO)	IS 2547(P-1):1976
49.		Sodium Salts (Na ₂ O)	IS 2547 (P-1):1976
50.		Sulphates (So ₃)	IS 1288:1982
51.	Micro silica, Silica Fumes	Available Alkali (Na ₂ O)	IS 3812(P-1):2013
52.		Available Alkali (Na ₂ O)	ASTM C311: 2011
53.		Loss on Ignition (LOI)	ASTM C311: 2011
54.		Loss on Ignition (LOI)	IS1727:1967
55.		Moisture	IS15388:2003
56.		Moisture	ASTM C311: 2011
57.		Silica (SiO ₂)	ASTM C311: 2011
58.		Silica (SiO ₂)	IS 1727:1967

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Metals & Alloys			
1.	Alloy Steel	Carbon	IS 228 (P-1):2025
2.		Chromium	IS 228 (Part6):2024
3.		Copper	IS228 (Part15):1992
4.		Manganese	IS228 (Part2):2024
5.		Molybdenum	IS228 (P-7):2025
6.		Nickel	IS228 (P-5):1987
7.		Phosphorus	IS228 (P-3):2024
8.		Silicon	IS228 (Part-8):1989
9.		Sulphur	IS228 (Part9):1989
10.		Nitrogen	IS 228 Part 19: 1998
11.	Carbon Steel	Carbon	IS228 (Part1):2025
12.		Manganese	IS228 (part-2):2024
13.		Molybdenum	IS228 (Part7):2025
14.		Phosphorous	IS228 (Part3):2024
15.		Silicon	IS228(Part-8):1989
16.		Sulphur	IS228(Part-9):1989

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
17.	Ferrous & Non-Ferrous metals	Thickness of Anodic Coating	IS 5523: 2018
18.		Thickness of Chrome Plating	IS 3203:1982
19.		Thickness of Nickel Plating	IS 3203:1982
20.	Steel Products	Adhesion of coating (knife Test)	IS 2629:1985
21.		Mass of Zinc Coating	IS 6745:1972
22.		Uniformity of Zinc Coating	IS 2633:1986
23.	Stainless Steel	Carbon	IS 228(Part-1):2025
24.		Chromium	IS 228(part6):2024
25.		Manganese	IS 228(part-12):2024
26.		Molybdenum	IS 228(Part-7):2025
27.		Nickel	IS 228(Part-5):1987
28.		Phosphorus	IS 228(part-3):2024
29.		Silicon	IS228(Part-8):1989
30.		Sulphur	IS228(Part-9):1989

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
31.	Copper & its alloys	Copper	IS 440: 1964
32.		Bismuth	IS 440: 1964
33.		Lead	IS 440: 1964
34.		Oxygen	IS 440: 1964
35.	Aluminium & its alloys	Magnesium	IS 504: Part 6: 2002
36.		Silicon	IS 504: Part 1: 2002
37.		Iron	IS 504: Part 2: 2002
38.		Copper	IS 504: Part 3: 2002
39.		Manganese	IS 504: Part 5: 2002
40.		Zinc	IS 504: Part 4: 2002
41.		Titanium	IS 504: Part 11: 2002
42.		Chromium	IS 504: Part 8: 2002
43.		Vanadium	IS 504: Part 12: 2002

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
1.	Cotton Duck	Scouring loss (Method -B)	IS 1383: 2023
2.		pH value	IS 1390:2022 (ISO 3071 :2020)
3.		Colourfastness to Light	IS/ISO 105: Part B01: 2014 (ISO 105: Part B01: 2014)
4.		Colourfastness to Washing	IS/ISO 105: Part C10: 2006 (ISO 105: Part C10: 2006)
5.		Dimensional change (shrinkage)	IS 2977:1989
6.	Absorbent Cotton Gauge	Identification of material	IS 667: 1981/ IS 14944: 2020
7.		Scouring loss	IS 1383:2023
8.		pH value	IS 1390:2022
9.		Absorbency test	IS 2369: 2022
10.	Cotton Bandage Cloth	Identification of material	IS 667: 1981/ IS 14944: 2020
11.		Scouring loss (Method -B)	IS 1383:2023
12.		pH value	IS 1390 :2022 (ISO 3071:2020)
13.		Colourfastness to Light	IS/ISO 105: Part B01: 2014 (ISO 105: Part B01: 2014)
14.		Colourfastness to Washing (A-1)	IS/ISO 105: Part C10: 2006 (ISO 105: Part C10: 2006)

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
15.	Crepe Bandages	Material identification	IS 667: 1981
16.		pH value	IS 1390 :2022 (ISO 3071:2020)
17.		Water soluble substance	IS 14944 :2020
18.		Ether soluble substance	IS 14944: 2020
19.	High Density Polyethylene (HDPE)/Polypropylene (Pp) Woven Sacks for Packing 50kg/25kg Foodgrains	Ash content	IS 14887:2014 Annex- D
20.	High Density Polyethylene (HDPE)/Polypropylene (Pp) Woven Sacks for Packing 50kg/25kg Sugar	Ash content	IS 16208: 2015 Annex- D
21.	High Density Polyethylene (HDPE)/Polypropylene (Pp) Woven Sacks for Packing 50kg/25kg Sugar	Ash content	IS 14968: 2015 Annex- D
22.	Finished fabric	Ash content	IS 199: 1989
23.	High Density Polyethylene (HDPE) Woven Sacks	Identification	IS 10146: 1982
24.	Polypropylene (PP) Woven Sacks	Identification	IS 10910: 1984
25.	Finished fabric	Chemical analysis of Mixtures of Modacrylic fibre with certain Modacrylic fibre and certain other fibres	IS 3421: 2024 (ISO 1833-12: 2020)

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
26.	Finished fabric	Chemical analysis of Mixtures of Nylon 6 or Nylon 6.6 fibres with certain other fibres	IS 2005: 2024 (ISO 1833-7: 2017)
27.		Chemical Analysis – Ternary Fibre Mixtures	IS 6503: 2023 (ISO 1833-2: 2020)
28.		Chemical analysis of Mixtures of Protein fibre with certain other non- protein fibres	IS 2006: 2024 (ISO 1833-4: 2017)
29.		Chemical analysis of Mixtures of Polyester fibre with cotton or regenerated cellulose	IS 3416: 1988
30.		Identification of Textile Fibers	IS 667: 1981
31.		Colour fastness to perspiration	IS/ISO 105: Part E04: 2013 (ISO 105-E04: 2013)
32.		Colour fastness to rubbing/crock meter	IS/ISO 105-X12: 2016 (ISO 105-X12: 2016)
33.		Colour fastness to sea water	IS/ISO 105: Part E02: 2013 (ISO 105: Part E02: 2013)
34.		Colour fastness to washing	IS/ISO 105: Part C10: 2006 (ISO 105: Part C10: 2006)
35.		Colour fastness to water	IS/ISO 105-E01: 2013 (ISO 105-E01: 2013)
36.		Moisture content	IS 199: 1989

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	Textile		
37.	Finished fabric	Water Repellence by Spray Test	IS 390: 2024 (ISO 4920: 2012)
38.		Water repellency of fabrics by cone test	IS 7941: 1976
39.		Water soluble matter	IS 3456: 2022

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
1.	Water for Construction	Sodium	IS 3025 (P-45):1993
2.		Volume of 0.02N H ₂ SO ₄ required to Neutralize 100 ml sample of Water using Mixed Indicator	IS 3025 (Part 23): 2023
3.		Volume of 0.02N NaOH required to Neutralize 100 ml sample of Water using Phenolphthalein as Indicator	IS 3025 (Part 22): 2024
4.		Chloride as Cl	IS3025 (Pt-32):1988
5.		Inorganic Solids	IS3025 (Pt-18): 2022
6.		Organic Solids	IS3025 (P-18): 2022
7.		pH Value	IS3025 (Pt-11):2022
8.		Potassium	IS 3025 (P-45):1993
9.		Sulphate as SO ₃	IS3025 (Pt-24/SEC-1): 2022
10.		Total Suspended Matter	IS3025 (Pt-17): 2022
11.	Drinking Water	Calcium as Ca	IS3025 (Part40):2024
12.		Chloride	IS3025(Part32): 1988

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
13.	Drinking Water	Colour	IS3025(P-4): 2021
14.		Fluoride	IS3025(Part-60):2008 /APHA 4500 F
15.		Free residual chlorine	IS3025(Part26): 2021
16.		Hexavalent Chromium (as Cr+6)	IS3025(P-52):2003
17.		Iron	IS 3025 (Part 53, Clause 6): 2024
18.		Magnesium as Mg	IS 3025 (Part 46): 2023
19.		Odor	IS3025(P-5): 2018
20.		pH Value	IS3025P-11: 2022
21.		Potassium	Is 3025(P-45):2024
22.		Silica as SiO ₂	IS 3025-Part-35:2024
23.		Sodium	IS3025(P45):2024
24.		Sulphate as SO ₄	IS3025(Part24):2022
25.		Total Alkalinity as CaCO ₃	IS3025(Part23) : 2023
26.		Total Dissolve Solid (TDS)	IS3025(Part16) : 2023

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
27.	Drinking Water	Total Hardness as CaCO ₃	IS3025(Part21):2009
28.		Turbidity	IS3025(P-10):2023
29.		Nitrate as NO ₃	IS3025 (P-34):1988 / APHA 4500 NO3
30.		Ammonia as NH ₃	IS3025 (P-34):2023



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Paints & Surface Coating			
1.	Ready mixed Paint, Brushing, Zinc chrome, Priming	Consistency	IS 104: 2017 / Annex- C
2.		Finish	IS 101 Pt-3/Sec-4: 1987
3.		Dying time – Hard dry	IS 101 Pt-3/Sec-1: 1986
4.		Mass per 10 Litres	IS 101 Pt-1/Sec7: 2020
5.		Colour	IS 101 Pt-4/Sec-2: 2021
6.		Flexibility & adhesion (Scratch hardness)	IS 101 Pt-5/Sec-2: 1988
7.		Flexibility & adhesion (Bend test)	IS 101 Pt-5/Sec-2: 1988
8.		Flash point	IS 101 Pt-1/Sec-6: 1987
9.		Resistance to humidity	IS 101 Pt-6/Sec-1: 1987
10.		Wet opacity	IS 101 Pt-4/Sec-1: 1988
11.		Resistance to salt spray	IS 101 Pt-6/Sec-1: 1987
12.		Keeping properties	IS 101 Pt-6/Sec-2: 1989
13.	Enamel, Interior- under coating & finishing	Total non-volatile content	IS 101 Pt-8/Sec-2: 1990
14.		Condition in container	IS 101 Pt-6/Sec-2: 1989
15.		Freedom from coarse particles	IS 101 Pt-1/Sec-2: 2023
16.		Skin formation	IS 133: 2023 Cl.5.5

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints & Surface Coating		
17.	Enamel, Interior- under coating & finishing	Thinning properties	IS 133: 2023 Cl.5.6
18.		Drying time – surface dry	IS 101 Pt-3/Sec-1: 1986
19.		Drying time – hard dry	IS 101 Pt-3/Sec-1: 1986
20.		Drying time – tack free	IS 101 Pt-3/Sec-1: 1986
21.		Mass per 10 Litres	IS 101 Pt-1/Sec-7: 2020
22.		Consistency	IS 133: 2023 Annex-C
23.		Viscosity (ford cup no. 4)	IS 101 Pt-1/Sec-5: 2024
24.		Finish	IS 101 Pt-3/Sec-4: 1987
25.		Gloss 60°	IS 101 Pt-4/Sec-4: 2020
26.		Fineness of grind	IS 101 Pt-3/Sec-5: 2022
27.		Colour	IS 101 Pt-4/Sec-2: 2021
28.		Wet opacity	IS 101 Pt-4/Sec-1: 1988
29.		Resistance to water	IS 133: 2023 Annex-C
30.		Flexibility & adhesion (Scratch hardness)	IS 101 Pt-5/Sec-2: 1988
31.		Flexibility & adhesion (Bend test)	IS 101 Pt-58/Sec-2: 1988
32.	Flash point	IS 101 Pt-1/Sec-6: 1987	

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Paints & Surface Coating			
33.	Enamel, Interior- under coating & finishing	Volume solid	IS 101 Pt-8/Sec-6: 1993
34.		Accelerated storage stability	IS 133: 2023 Annex-F
35.		Keeping properties	IS 101 Pt-6/Sec-2: 1989
36.	Ready mixed paint, air drying, for general purpose	Durability	IS 168: 2024 Annex-B
37.		Drying time – surface dry	IS 101 Pt-3/Sec-1: 1986
38.		Drying time – hard dry	IS 101 Pt-3/Sec-1: 1986
39.		Drying time – tack free	IS 101 Pt-3/Sec-1: 1986
40.		Consistency	IS 168: 2024 Annex-C
41.		Viscosity (ford cup no. 4)	IS 101 Pt-1/Sec-5: 2024
42.		Mass per 10 Litres	IS 101 Pt-1/Sec-7: 2020
43.		Flash point	IS 101 Pt-1/Sec-6: 1987
44.		Water content	IS 101 Pt-2/Sec-1: 2018
45.		Finish	IS 101 Pt-3/Sec-4: 1987
46.		Fineness of grind	IS 101 Pt-3/Sec-5: 2022
47.		Colour	IS 101 Pt-4/Sec-2: 2024
48.		Gloss 45° /60°	IS 101 Pt-4/Sec-4: 2020

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Paints & Surface Coating			
49.	Ready mixed paint, air drying, for general purpose	Pressure test (18h after application)	IS 101 Pt-5/Sec-1: 1988
50.		Flexibility & adhesion (Scratch hardness)	IS 101 Pt-5/Sec-2: 1988
51.		Flexibility & adhesion (Bend test)	IS 101 Pt-5/Sec-2: 1988
52.		Resistance to humidity	IS 101 Pt-6/Sec-1: 1988
53.		Volume solid	IS 101 Pt-8/Sec-6: 1993
54.		Resistance to lubrication oil	IS 168: 2024 Annex-D
55.		Resistance to petroleum hydrocarbon solvent	IS 168: 2024 Annex-D
56.		Accelerated storage stability	IS 168: 2024 Annex-E
57.		Keeping properties	IS 101 Pt-6/Sec-2: 1989
58.		Ready mixed paint- red oxide	Compatibility with thinner
59.	Freedom from impurities		IS 2074: 2023 CL.5.4
60.	Consistency		IS 2074: 2023 Annex-C
61.	Viscosity (ford cup no. 4)		IS 101 Pt-1/Sec-5: 2024
62.	Mass per 10 Litres		IS 101 Pt-1/Sec-7: 2020
63.	Drying time – Surface dry		IS 101 Pt-3/Sec-1: 1986

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints & Surface Coating		
64.	Ready mixed paint- red oxide	Drying time – Hard dry	IS 101 Pt-3/Sec-1: 1986
65.		Finish	IS 101 Pt-3/Sec-4: 1987
66.		Gloss 60°	IS 101 Pt-4/Sec-4: 2020
67.		Fineness of grind	IS 101 Pt-3/Sec-5: 2022
68.		Colour	IS 101 Pt-4/Sec-2: 2021
69.		Wet opacity	IS 101 Pt-4/Sec-1: 1988
70.		Flexibility & adhesion (Scratch hardness-under load)	IS 101 Pt-5/Sec-2: 1988
71.		Flexibility & adhesion (Bend test)	IS 101 Pt-5/Sec-2: 1988
72.		Flash point	IS 101 Pt-1/Sec-6: 1987
73.		Volume solid	IS 101 Pt-8/Sec-6: 1993
74.		Resistance to humidity	IS 101 Pt-6/Sec-1: 1988
75.		Resistance to salt spray	IS 101 Pt-6/Sec-1: 1988 & IS 2074: 2023 Annex-E
76.		Keeping properties	IS 101 Pt-6/Sec-2: 1989
77.		Accelerated storage stability	IS 168: 2024 Annex-E
78.	Aluminium paints for general purpose	Drying time – Hard dry	IS 101 Pt-3/Sec-1: 1986

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Paints & Surface Coating			
79.	Aluminium paints for general purpose	Consistency	IS 2339: 2013 Annex-B
80.		Finish	IS 101 Pt-3/Sec-4: 1987
81.		Mass per 10 Litres	IS 101 Pt-1/Sec-7: 2020
82.		Wet opacity	IS 101 Pt-4/Sec-1: 1988
83.		Flexibility & adhesion (Bend test)	IS 101 Pt-5/Sec-2: 1988
84.		Resistance to humidity	IS 101 Pt-6/Sec-1: 1988
85.		Flash point	IS 101 Pt-1/Sec-6: 1987
86.		Keeping properties	IS 101 Pt-6/Sec-2: 1989
87.	Synthetic Enamel Exterior	Total non -volatile content	IS 101 Pt-8/Sec-2: 1990
88.		Condition in container	IS 101 Pt-6/Sec-2: 1989
89.		Freedom from coarse particles	IS 101 Pt-1/Sec-2: 2023
90.		Thinning/thinner compatibility	IS 2932 pt-1: 2013 CL.6.5
91.		Skin formation	IS 101 Pt-1/Sec-2
92.		Consistency	IS 2932 pt-1: 2013 Annex- D
93.		Viscosity (ford cup no. 4)	IS 101 Pt-1/Sec-5: 2024
94.		Mass per 10 Litres	IS 101 Pt-1/Sec-7: 2020

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints & Surface Coating		
95.	Synthetic Enamel Exterior	Drying time – Surface dry	IS 101 Pt-3/Sec-1: 1986
96.		Drying time – Hard dry	IS 101 Pt-3/Sec-1: 1986
97.		Drying time – tack free	IS 101 Pt-3/Sec-1: 1986
98.		Finish	IS 101 Pt-3/Sec-4: 1987
99.		Gloss 60°	IS 101 Pt-4/Sec-4: 2020
100.		Fineness of grind	IS 101 Pt-3/Sec-5: 2022
101.		Colour	IS 101 Pt-4/Sec-2: 2021
102.		Flexibility & adhesion (Scratch hardness)	IS 101 Pt-5/Sec-2: 1988
103.		Flexibility & adhesion (Bend test)	IS 101 Pt-5/Sec-2: 1988
104.		Flash point	IS 101 Pt-1/Sec-6: 1987
105.		Volume solid	IS 101 Pt-8/Sec-6: 1993
106.		Resistance to acid	IS 2932 Pt-1: 2013 Annex- E
107.		Resistance to alkali	IS 2932 Pt-1: 2013 Annex- F
108.		Accelerated storage stability	IS 2932 Pt-1: 2013 Annex- G
109.	Wet opacity	IS 101 Pt-4/Sec-1: 1988	
110.	Keeping properties	IS 101 Pt-6/Sec-2: 1989	

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Chemical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Paints & Surface Coating			
111.	Ready Mixed Paint, Brushing, wood Primer	Drying time – Surface dry	IS 101 Pt-3/Sec-1: 1986	
112.		Drying time – Hard dry	IS 101 Pt-3/Sec-1: 1986	
113.		Consistency	IS 3635: 2016 Annex- B	
114.		Mass per 10 Litres	IS 101 Pt-1/Sec-7: 2020	
115.		Finish	IS 101 Pt-3/Sec-4: 1987	
116.		Colour	IS 101 Pt-4/Sec-2: 2021	
117.		Flexibility & adhesion (Scratch hardness)	IS 101 Pt-5/Sec-2: 1988	
118.		Flexibility & adhesion (Bend test)	IS 101 Pt-5/Sec-2: 1988	
119.		Flash point	IS 101 Pt-1/Sec-6: 1987	
120.		Volume solid	IS 101 Pt-8/Sec-6: 1993	
121.		Water content	IS 101 Pt-2/Sec-1: 2018	
122.		Resistance to water	IS 3536: 2016 Annex-C	
123.		Keeping properties	IS 101 Pt-6/Sec-2: 1989	
124.		Ready mixed paint- finishing interior	Drying time – Surface dry	IS 101 Pt-3/Sec-1: 1986
125.			Drying time – Hard dry	IS 101 Pt-3/Sec-1: 1986
126.			Drying time – tack free	IS 101 Pt-3/Sec-1: 1986

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints & Surface Coating		
127.	Ready mixed paint- finishing interior	Consistency	IS 3537: 2016 Annex- C
128.		Finish	IS 101 Pt-3/Sec-4: 1987
129.		Colour	IS 101 Pt-4/Sec-2: 2021
130.		Mass per 10 Litres	IS 101 Pt-1/Sec-7: 2020
131.		Water content	IS 101 Pt-2/Sec-1: 2018
132.		Flexibility & adhesion (Scratch hardness)	IS 101 Pt-5/Sec-2: 1988
133.		Flexibility & adhesion (Bend test)	IS 101 Pt-5/Sec-2: 1988
134.		Flash point	IS 101 Pt-1/Sec-6: 1987
135.		Striping test	IS 3537: 2017 Annex- D
136.		Resistance to water	IS 3537: 2017 Annex- E
137.		Keeping properties	IS 101 Pt-6/Sec-2: 1989
138.		Drying time – Hard dry	IS 101 Pt-3/Sec-1: 1986
139.		Ready Mixed Paint, Aluminium-Water Resistant for Woodwork	Consistency
140.	Viscosity (ford cup no. 4)		IS 101 Pt-1/Sec-5: 2024
141.	Finish		IS 101 Pt-3/Sec-4: 1987

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Chemical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Paints & Surface Coating			
142.	Ready Mixed Paint, Aluminium-Water Resistant for Woodwork	Flexibility & adhesion (Scratch hardness)	IS 101 Pt-5/Sec-2: 1988	
143.		Flexibility & adhesion (Bend test)	IS 101 Pt-5/Sec-2: 1988	
144.		Resistance to humidity	IS 101 Pt-6/Sec-1: 1988	
145.		Flash point	IS 101 Pt-1/Sec-6: 1987	
146.		Wet opacity	IS 101 Pt-4/Sec-1: 1988	
147.		Resistance to water	IS 3585: 2018 Annex-C	
148.		Water content	IS 101 Pt-2/Sec-1: 2018	
149.		Keeping properties	IS 101 Pt-6/Sec-2: 1989	
150.		Cement Paint	Drying time – Hard dry	IS 101 Pt-3/Sec-1: 1986
151.			Finish	IS 101 Pt-3/Sec-4: 1987
152.			Colour	IS 101 Pt-4/Sec-2: 2021
153.			Residue on sieve	IS 5410: 2013 Annex- F
154.			Resistance to dry rubbing	IS 5410: 2013 Annex- G
155.			Water repellence	IS 5410: 2013 Annex- H
156.	Pot life		IS 5410: 2013 Annex- J	
157.	Re-coating property		IS 5410: 2013 Annex- K	
158.	Keeping properties		IS 101 Pt-6/Sec-2: 1989	

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints & Surface Coating		
159.	Cement Paint	Durability	IS 5410: 2013 CL. 4.6
160.	Paint & Powder coated sheet & panels	Cross cut adhesion test	ASTM D 3359: 2023
161.		Cross cut adhesion test	IS 101 Pt-5/Sec-2: 1988
162.		Dry film thickness	IS 101 Pt-3/Sec-2: 2025
163.		Bend test	IS 101 Pt-5/Sec-2: 1988
164.		Gloss value	IS 101 Pt-4/Sec-4: 2020
165.		Pencil hardness test	ASTM D 3363 & IS 101 Pt-5/Sec-1
166.		Consistency	IS 5666: 2024 CL.4.3
167.		Viscosity (ford cup no. 4)	IS 101 Pt-1/Sec-5: 2024
168.	Etch Primer- Pretreatment	Drying time – Air drying	IS 5666: 2024 CL.4.5.1
169.		Drying time – Force drying	IS 5666: 2024 CL.4.5.2
170.		Finish	IS 101 Pt-3/Sec-4: 1987
171.		Fineness of dispersion	IS 101: 1964 CL.7.6
172.		Fitness to take a coat of primer	IS 5666: 2024 CL.3.8
173.		Keeping quality	IS 101 Pt-6/Sec-2: 1989
174.		Volatile organic compound (VOC)	IS 101 Pt-2/Sec-3: 2015

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints & Surface Coating		
175.	PU Full Gloss Enamel	Consistency	IS 13213: 2018 Annex- C
176.		Drying time – Surface dry	IS 101 Pt-3/Sec-1: 1986
177.		Drying time – Hard dry	IS 101 Pt-3/Sec-1: 1986
178.		Drying time – Tack free	IS 101 Pt-3/Sec-1: 1986
179.		Finish	IS 101 Pt-3/Sec-4: 1987
180.		Colour	IS 101 Pt-4/Sec-2: 2021
181.		Gloss 60°	IS 101 Pt-4/Sec-4: 2020
182.		Dry film thickness per coat	IS 101 Pt-3/Sec-2 : 2025 CL.6.2.1
183.		Volume solid	IS 101 Pt-8/Sec-6: 1993
184.		Flexibility & adhesion (Scratch hardness-under load)	IS 101 Pt-5/Sec-2: 1988
185.		Flexibility & adhesion (Bend test)	IS 101 Pt-5/Sec-2: 1988
186.		Flash point	IS 101 Pt-1/Sec-6: 1987
187.		Fineness of grind	IS 101 Pt-3/Sec-5: 2022
188.		Pot life	IS 13213: 2018 Annex- D
189.		Mass per 10 Litres	IS 101 Pt-1/Sec-7: 2020
190.		Resistance to acid	IS 13213: 2018 Annex- E

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Paints & Surface Coating			
191.	PU Full Gloss Enamel	Resistance to alkali	IS 13213: 2018 Annex- E
192.		Resistance to oil	IS 13213: 2018 Annex- E
193.		Resistance to solvent	IS 13213: 2018 Annex- E
194.		Durability test- Outdoor exposure	IS 13213: 2018 Annex- F
195.		Durability test- Colour change	IS 13213: 2018 Annex- F
196.		Durability test- Gloss retention	IS 13213: 2018 Annex- F
197.		Durability test- Corrosion	IS 13213: 2018 Annex- F
198.		Keeping properties	IS 101 Pt-6/Sec-2: 1989
199.	Epoxy based zinc phosphate primer	Consistency	IS 13213: 2018 Annex- C
200.		Drying time – Surface dry	IS 101 Pt-3/Sec-1: 1986
201.		Drying time – Hard dry	IS 101 Pt-3/Sec-1: 1986
202.		Drying time – Hard dry (at 70 °C)	IS 101 Pt-3/Sec-1: 1986
203.		Curing time	IS 101 Pt-3/Sec-1: 1986
204.		Finish	IS 101 Pt-3/Sec-4: 1987
205.		Colour	IS 101 Pt-4/Sec-2: 2021
206.		Dry film thickness per coat- by brushing	IS 101 Pt-3/Sec-2: 2025 CL.6.2.2.1

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Paints & Surface Coating			
207.	Epoxy based zinc phosphate primer	Dry film thickness per coat- by spray	IS 101 Pt-3/Sec-2: 2025 CL.6.2.2.1
208.		Volume solid	IS 101 Pt-8/Sec-6: 1993
209.		Mass per 10 Litres	IS 101 Pt-1/Sec-7: 2020
210.		Flexibility & adhesion (Scratch hardness)	IS 101 Pt-5/Sec-2: 1988
211.		Flexibility & adhesion (Bend test)	IS 101 Pt-5/Sec-2: 1988
212.		Flash point	IS 101 Pt-1/Sec-6: 1987
213.		Resistance to humidity	IS 101 Pt-6/Sec-1: 1988
214.		Resistance to salt spray	IS 101 Pt-6/Sec-1 : 1988
215.		Pot life	IS 13238: 2018 Annex- B
216.		Keeping properties	IS 101 Pt-6/Sec-2: 1989
217.	Epoxy enamel glossy	Consistency	IS 14209: 2016 Annex- B
218.		Drying time – Surface dry	IS 101 Pt-3/Sec-1: 1986
219.		Drying time – Hard dry	IS 101 Pt-3/Sec-1: 1986
220.		Mass per 10 Litres	IS 101 Pt-1/Sec-7: 2020
221.		Flash point	IS 101 Pt-1/Sec-6: 1987
222.		Volume solid	IS 101 Pt-8/Sec-6: 1993

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Paints & Surface Coating			
223.	Epoxy enamel glossy	Pot life	IS 14209: 2018 Annex- C
224.		Dry film thickness per coat	IS 101 Pt-3/Sec-2: 2025 CL.6.2.1
225.		Finish	IS 101 Pt-3/Sec-4: 1987
226.		Colour	IS 101 Pt-4/Sec-2: 2021
227.		Gloss 60°	IS 101 Pt-4/Sec-4: 2021
228.		Flexibility & adhesion (Scratch hardness)	IS 101 Pt-5/Sec-2: 1988
229.		Flexibility & adhesion (Bend test)	IS 101 Pt-5/Sec-2: 1988
230.		Resistance to acid	IS 14209: 2016 Annex- D
231.		Resistance to alkali	IS 14209: 2016 Annex- D
232.		Keeping properties	IS 101 Pt-6/Sec-2: 1989
Paint, Plastic emulsion			
233.	Paint, Plastic emulsion	Thinning properties	IS 15489: 2024 CL. 6.3
234.		Condition in container	IS 15489: 2024 CL. 6.2
235.		Application	IS 15489: 2024 CL. 6.4
236.		Mass per 10 Litres	IS 101 Pt-1/Sec-7: 2020
237.		Opacity	IS 101 Pt-1/Sec-3: 1986
238.		Consistency	IS 15489: 2024 Annex- B

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Chemical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
Paints & Surface Coating				
239.	Paint, Plastic emulsion	Drying time – Surface dry	IS 101 Pt-3/Sec-1: 1986	
240.		Drying time – Hard dry	IS 101 Pt-3/Sec-1: 1986	
241.		Finish	IS 101 Pt-3/Sec-4: 1987	
242.		Colour	IS 101 Pt-4/Sec-2: 2021	
243.		Gloss 60°	IS 101 Pt-4/Sec-4: 2020	
244.		Resistance to alkali	IS 15489: 2024 Annex- F	
245.		Washability & cleanability	IS 15489: 2024 Annex- G	
246.		Accelerated storage stability	IS 15489: 2024 Annex- H	
247.		Re-coating property	IS 15489: 2024 Annex- J	
248.		Keeping properties	IS 101 Pt-6/Sec-2: 1989	
249.		Volatile organic compound (VOC)	IS 101 Pt-2/Sec-3: 2015 & IS 101 Pt-2/Sec-4: 2022	
Washable distemper				
250.		Washable distemper	Form & condition	IS 428: 2013 CL. 6.1
251.	Thinning properties		IS 428: 2013 CL. 6.2	
252.	Application		IS 428: 2013 CL. 6.3	
253.	Drying time – Surface dry		IS 101 Pt-3/Sec-1: 1986	
254.	Drying time – Hard dry		IS 101 Pt-3/Sec-1: 1989	

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Paints & Surface Coating			
255.	Washable distemper	Finish	IS 101 Pt-3/Sec-4: 1987
256.		Colour	IS 101 Pt-4/Sec-2: 2021
257.		Consistency	IS 428: 2013 Annex- C
258.		Residue on sieve	IS 428: 2013 Annex- D
259.		Re-coating property	IS 428: 2013 Annex- E
260.		Resistance to alkali/ Liquid accelerated tests (solvents)	IS 428: 2013 Annex- F
261.		Accelerated storage stability	IS 428: 2013 Annex- G
262.	Varnish for General Purpose	Composition	IS 101 (Part 9/Sec 2): 1993
263.		Durability	IS 524: 2024 CL.4.3 ANX-C
264.		Resistance to Acid	IS 524: 2024 CL.4.4 ANX-D
265.		Resistance to Alkali	IS 524: 2024 CL.4.5 ANX-D
266.		Resistance to Water	IS 524: 2024 CL.4.5 ANX-E
267.		Surface- Drying time	IS 524: 2024 Table-1/ IS 101 (Part 3/Sec 4): 1987
268.		Hard- Drying time	IS 524: 2024 Table-1/ IS 101 Pt-4/Sec-2/IS 354 (Part 1): 2024
269.		Finish	IS 101(Part 5/Sec 2): 1988
270.		Colour	IS 101(Part 5/Sec 2): 1988

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints & Surface Coating		
271.	Varnish for General Purpose	Scratch hardness (at load 1000 g)	IS 524: 2024 Table-1 ANX-F
272.		Bent test	IS 101 (Part 1/Sec 6): 1987
273.		Stripping test after 96 hours airdrying	IS 101 (Part 2/Sec 2):2025
274.		Flash point	IS 101 (Part 1/Sec 5): 2024
275.		Volatile matter content	IS 101 (Part 2/Sec 3): 2015
276.		Viscosity by ford cup No. 4 at (27 ± 2) °C	IS 524: 2024 Table-1 ANX-G
277.		Volatile organic compound (VOC)	IS 101 : Part 2 : Sec 3 : 2015
278.		Keeping properties	IS 524: 2024 CL.4.3 ANX-C

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1.	Coarse Aggregate	Bulk Density	IS 2386 Part 3: 1963
2.		Clay Lumps	IS 2386 (P-2): 1963
3.		Coal & Lignite	IS 2386 (P-2): 1963
4.		Combined Flakiness & Elongation Index	IS 2386(P 1): 1963
5.		Crushing Value	IS 2386 (P-4): 1963
6.		Deleterious Material Finer than 75 Micron	IS 2386 (P 1): 1963
7.		Aggregate Impact Value	IS 2386 (Part 4):1963
8.		Los Angeles Abrasion Value	IS 2386 (Part 4):1963
9.		Sieve Analysis 80.0 mm, 63.0 mm, 40 mm, 20.0 mm, 16.0 mm, 12.5 mm, 10.0 mm, 4.75 mm, 2.36 mm	IS 2386 (P 1):1963
10.		Soundness	IS 2386 (Part 5): 1963
11.		Specific Gravity	IS 2386 (Part 3): 1963
12.		Water Absorption	IS 2386 (Part 3): 1963
13.	Fine Aggregate	Bulk Density	IS 2386 (Part 3) : 1963
14.		Clay Lumps	IS 2386 (Part 2): 1963

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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Building, Infrastructure & Construction Materials			
15.	Fine Aggregate	Coal and Lignite	IS 2386(Part 2): 1963	
16.		Material Finer than 75 micron	IS 2386(Part 1): 1963	
17.		Organic Impurities	IS 2386 (Part 2): 1963	
18.		Sieve Analysis (10 mm, 4.75 mm, 2.36 mm, 1.18 mm, 0.600 mm, 0.300 mm, 0.150 mm)	IS 2386 (Part 1): 1963	
19.		Soundness	IS 2386 (Part 5): 1963	
20.		Specific Gravity	IS 2386 (Part 3) : 1963	
21.		Water Absorption	IS 2386 (Part 3) : 1963	
22.		Fly ash	Fineness by Blaine's Air Permeability	IS 1727 : 1967
23.			Particle retained on 45 micron	IS 1727 : 1967
24.			Specific Gravity	IS 1727 : 1967
25.	Lime Reactivity - Average Compressive Strength		IS 1727 : 1967	
26.	Compressive Strength at 28 days		IS 1727 : 1967	
27.	Micro Silica	Particle retained on 45 micron	IS1727: 1967	
28.		Specific Gravity	IS1727: 1967	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
29.	Gypsum	Normal Consistency	IS 2542 (P-1/Sec-1) : 2023
30.		Setting Time (Plaster Sand Mixture)	IS 2542 (P-1/S-3) : 2023
31.		Setting Time (Neat Plaster)	IS 2542 (P-1/S-3) : 2023
32.		Transverse Strength	IS 2542 (P-1/S-4) : 2023
33.		Soundness	IS 2542 (P-1/S-6) : 2023
34.		Mechanical Resistance of Set Neat Plaster	IS 2542 (P-1/S-7): 2023
35.		Residue on 150µm Sieve	IS 2542 (P-1/S-8) : 2023
36.		Expansion on setting	IS 2542 (P-1/S-9) : 2023
37.		Cement - PPC	Consistency
38.	Density		IS 4031(Part-11):1988
39.	Initial Setting Time		IS 4031(Part-5):1988
40.	Final Setting Time		IS 4031(Part-5):1988
41.	Fineness (Blaine Air Permeability)		IS 4031(Part-2):1999
42.	Fineness (Dry Sieve Method)		IS 4031(Part-1):1996

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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Building, Infrastructure & Construction Materials			
43.	Cement - PPC	Soundness (Le-Chatelier Method)	IS 4031(Part-3):1988	
44.		Soundness (By autoclave)	IS 4031 (P-3):1988	
45.		Compressive Strength (672 Hours)	IS 4031(P-6):1988	
46.		Compressive Strength (168 Hours)	IS 4031(Part-6):1988	
47.		Compressive Strength (72 Hours)	IS 4031(Part-6):1988	
48.		Drying Shrinkage	IS 4031 (P-10): 1988	
49.		Consistency	IS 4031(Part-4):1988	
50.		Density	IS 4031(Part-11):1988	
51.		Initial Setting Time	IS 4031(Part-5):1988	
52.		Final Setting Time	IS 4031(Part-5):1988	
53.		Fineness (Blaine's Air Permeability)	IS 4031(Part-2):1999	
54.		Fineness (Dry Sieve Method)	IS 4031(Part-1):1996	
55.		Soundness (Le-Chatelier Method)	IS 4031(Part-3):1988	
56.		Cement – OPC, Flyash	Soundness (By autoclave)	IS 4031 (P-3):1988

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
57.	Cement - OPC	Compressive Strength (672 Hours)	IS 4031(P-6):1988
58.		Compressive Strength (168 Hours)	IS 4031(Part-6):1988
59.		Compressive Strength (72 Hours)	IS 4031(Part-6):1988
60.	Admixture	Water Content Percent of control Sample	IS 9103: 1999
61.		Slump	IS 1199 (P-2) : 2018
62.		Time of setting Allowable deviation from control sample hours (INITIAL)	IS 1199 (P-7) : 2018
63.		Time of setting Allowable deviation from control sample hours (FINAL)	IS 1199 (P-7) : 2018
64.		Minimum Compressive Strength at 1 Day	IS 516 (P-1)/Sec-1 : 2021
65.		Minimum Compressive Strength at 3 Days	IS 516 (P-1)/Sec-1 : 2021
66.		Minimum Compressive Strength at 7 Days	IS 516 (P-1)/Sec-1 : 2021
67.		Minimum Compressive Strength at 28 Days	IS 516 (P-1)/Sec-1 : 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
68.	Admixture	Minimum Compressive Strength at 6 Months	IS 516 (P-1)/Sec-1 : 2021
69.		Minimum Compressive Strength at 1 Year	IS 516 (P-1)/Sec-1 : 2021
70.		Flexural Strength % of Control Sample 3 Days	IS 516 (P-1)/Sec-1 : 2021
71.		Flexural Strength % of Control Sample 7 Days	IS 516 (P-1)/Sec-1 : 2021
72.		Flexural Strength % of Control Sample 28 Days	IS 516 (P-1)/Sec-1 : 2021
73.		Length Change % Increase over control Sample	IS 516 (P-6) : 2020
74.		Bleeding Percent increase over percent sample of concrete	IS 9103 : 1999 (Annexure - D)
75.		Loss of Workability on standing	IS 9103 : 1999
76.		Air Content, % Max, Over Control Sample	IS 1199 (P-4) : 2018
77.		Flow	IS 9103 : 1999
78.	Use of Construction Water	Average Compressive Strength at 28 days, Over Control sample	IS 516 (P-1)/Sec-1 : 2021
79.		Initial Setting Time, Changes over Control sample	IS 4031 (P-5) : 1988

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
80.	Ceramic Tiles	Length	IS 13630(Part-1): 2019
81.		Width	IS 13630(Part-1): 2019
82.		Thickness	IS 13630(Part-1): 2019
83.		Straightness of Side	IS 13630(Part-1): 2019
84.		Surface Flatness	IS 13630(Part-1): 2019
85.		Centre Curvature	IS 13630(Part-1): 2019
86.		Edge Curvature	IS 13630(Part-1): 2019
87.		Warpage	IS 13630(Part-1): 2019
88.		Rectangularity	IS 13630(Part-1): 2019
89.		Surface Quality	IS 13630(Part-1): 2019
90.		Scratch Hardness of Surface	IS 13630(Part-13): 2019
91.		Water Absorption	IS 13630(Part-2): 2019
92.		Crazing Resistance	IS 13630(Part-2): 2019
93.		Bulk Density	IS 13630(Part-2): 2019
94.		Resistance - Household Chemicals	IS 13630(Part-8): 2019
95.		Resistance - Staining	IS 13630(Part-8): 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
96.	Ceramic Tiles	Modulus of rupture	IS 13630(Part-6): 2019
97.		Breaking Strength	IS 13630(Part-6): 2019
98.	Chequered Cement Concrete Tiles	Dimension-Length	IS 13801:2013
99.		Dimension- Width	IS 13801:2013
100.		Dimension- Thickness	IS 13801:2013
101.		Flatness of the Surface	IS 13801:2013
102.		Perpendicularity	IS 13801:2013
103.		Straightness	IS 13801:2013
104.		Thickness of wearing layer	IS 13801:2013
105.		Water Absorption %	IS 13801:2013
106.		Wet Transverse Strength	IS 13801:2013
107.		Resistance - Wear	IS 13801:2013
108.	Dimension-Length	IS 1237 : 2012	
109.	Cement Concrete Flooring Tiles	Dimension- Width	IS 1237 : 2012
110.		Dimension- Thickness	IS 1237 : 2012

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
111.	Cement Concrete Flooring Tiles	Flatness of the Surface	IS 1237 : 2012
112.		Perpendicularity	IS 1237 : 2012
113.		Straightness	IS 1237 : 2012
114.		Thickness of wearing layer	IS 1237 : 2012
115.		Water Absorption %	IS 1237 : 2012
116.		Wet Transverse Strength	IS 1237 : 2012
117.		Resistance - Wear	IS 1237 : 2012
118.		Stone (Granite, Kota, Marble)	Density
119.	Moisture Content		IS 13030:1991
120.	Apparent Specific Gravity		IS 1124:1974
121.	True Specific Gravity		IS 1122:1974
122.	Water Absorption		IS 1124:1974
123.	Apparent Porosity		IS 1124:1974
124.	Hardness (Moh's Scale)		IS 13630 (P-13): 2019
125.	Stone (Granite)		Dimension (Length)
126.	Stone (Granite)	Dimension (Width)	IS 14223(P-1):1995

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
127.	Stone (Granite)	Dimension (Thickness)	IS 14223 (P-1):1995
128.	Stone (Marble)	Dimension (Length)	IS 1130:1969
129.		Dimension (Width)	IS 1130:1969
130.		Dimension (Thickness)	IS 1130:1969
131.		Squareness	IS 4020 (P-2) : 1998
132.	Flush Door - (Solid Core Type)	Thickness	IS 4020 (P-2) : 1998
133.		Width	IS 4020 (P-2) : 1998
134.		Height	IS 4020 (P-2) : 1998
135.		Twist	IS 4020 (P-3) : 1998
136.		Cupping	IS 4020 (P-3) : 1998
137.		Warping	IS 4020 (P-3) : 1998
138.		Local Planeness Test	IS 4020 (P-4) : 1998
139.		Impact Indentation Test	IS 4020 (P-5) : 1998
140.		Impact Indentation Test (Depth of Indentation)	IS 4020 (P-5) : 1998
141.		Shock Resistance Test	IS 4020 (P-8) : 1998

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
142.	Flush Door - (Solid Core Type)	Flexure Test (Residual Deflection)	IS 4020 (P-6) : 1998
143.		Flexure Test (Deflection at Maximum load)	IS 4020 (P-6) : 1998
144.		Edge loading Test (Residual Deflection)	IS 4020 (P-7) : 1998
145.		Edge loading Test (Deflection of the edge at maximum load)	IS 4020 (P-7) : 1998
146.		Buckling Resistance Test	IS 4020 (P-9) : 1998
147.		Buckling Resistance Test (Residual Deformation)	IS 4020 (P-9) : 1998
148.		Buckling Resistance Test (initial deflection)	IS 4020 (P-9) : 1998
149.		Slamming Test	IS 4020 (P-10) : 1998
150.		Misuse Test	IS 4020 (P-11) : 1998
151.		End Immersion Test	IS 4020 (P-13) : 1998
152.		Knife Test	IS 4020 (P-14) : 1998
153.		Glue Adhesion Test	IS 4020 (P-15) : 1998
154.		Screw Withdrawal Strength	IS 4020 (P-16) : 1998

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
155.	Adhesives for use with Ceramic, Mosaic and Stone tiles	Classification	IS 15477:2019
156.		Tensile Adhesion Strength (Dry Condition)	IS 15477: 2019 Annex A
157.		Tensile Adhesion Strength (Wet Condition)	IS 15477: 2019 Annex A
158.		Shear Adhesion Strength (Dry Condition)	IS 15477: 2019 Annex B
159.		Shear Adhesion Strength (Heat Ageing Condition)	IS 15477: 2019 Annex B
160.		Shear Adhesion Strength (Wet Condition)	IS 15477: 2019 Annex B
161.		Open Time	IS 15477: 2019 Annex C
162.		Adjustment Time	IS 15477: 2019 Annex D
163.		Slip - Required for Application only	IS 15477: 2019 Annex E
164.		Deformability Required for Vertical Application Only	IS 15477: 2019 Annex F
165.	Hollow and Solid Concrete Blocks	Classification	IS 2185 (P-1) 2005
166.		General	IS 2185 (P-1) 2005
167.		Nominal Dimensions - Length	IS 2185 (P-1) 2005 (Annex B)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
168.	Hollow and Solid Concrete Blocks	Nominal Dimensions - Height	IS 2185 (P-1) 2005 (Annex B)
169.		Nominal Dimensions- Width	IS 2185 (P-1) 2005 (Annex B)
170.		Nominal Dimensions- thickness of the face shell	IS 2185 (P-1) 2005
171.		Nominal Dimensions- thickness of the Web shell	IS 2185 (P-1) 2005
172.		Block Density	IS 2185 (P-1) 2005 Annex C
173.		Compressive Strength	IS 2185 (P-1) 2005 Annex D
174.		Water Absorption	IS 2185 (P-1) 2005 Annex E
175.		Drying Shrinkage	IS 2185 (P-1) 2005 Annex F
176.		Moisture Movement	IS 2185 (P-1) 2005 Annex G
177.		Hollow And Solid Light Weight Concrete Blocks	Classification
178.	Surface Texture		IS 2185 (P-2) 1983
179.	General		IS 2185 (P-2) 1983
180.	Dimension- Length		IS 2185 (P-2) 1983 Appendix A
181.	Dimension- Height		IS 2185 (P-2) 1983 Appendix A
182.	Dimension- Width	IS 2185 (P-2) 1983 Appendix A	

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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Building, Infrastructure & Construction Materials			
183.	Hollow And Solid Light Weight Concrete Blocks	Nominal Dimensions-thickness of the face shell	IS 2185 (P-2) 1983 Appendix A	
184.		Nominal Dimensions-thickness of the Web shell	IS 2185 (P-2) 1983 Appendix A	
185.		Blocks with Special faces	IS 2185 (P-2) 1983	
186.		Compressive Strength - Solid Blocks	IS 2185 (P-2) 1983 Appendix C	
187.		Compressive Strength - (Load bearing - Hollow)	IS 2185 (P-2) 1983 Appendix C	
188.		Compressive Strength - (Non Load bearing - Hollow)	IS 2185 (P-2) 1983 Appendix C	
189.		Block Density	IS 2185 (P-2) 1983 Appendix B	
190.		Water Absorption	IS 2185 (P-2) 1983 Appendix D	
191.		Water Absorption	IS 2185 (P-2) 1983 Appendix D	
192.		Drying Shrinkage	IS 2185 (P-2) 1983 Appendix E	
193.		Moisture Movement	IS 2185 (P-2) 1983 Appendix E	
194.		Autoclave Cellular aerated concrete Blocks	Dimension -Length	IS 2185 (P-3) 1984
195.			Dimension-Height	IS 2185 (P-3) 1984
196.			Dimension-Width	IS 2185 (P-3) 1984

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
197.	Autoclave Cellular aerated concrete Blocks	General (Exposed wall construction)	IS 2185 (P-3) 1984
198.		Shape	IS 2185 (P-3) 1984
199.		Faces & arises	IS 2185 (P-3) 1984
200.		Special Faces	IS 2185 (P-3) 1984
201.		Block density	IS 2185 (P-3) 1984
202.		Moisture Content	IS 6441 (P-1) 1972
203.		Compressive strength	IS 2185 (P-3) 1984
204.		Drying Shrinkage	IS 6441 (P-2) 1972
205.		Thermal Conductivity	IS 3346 : 1980
206.		Fire Test (up - 1200 °C) (3 Mtr X 3Mtr X 1.2 Mtr)	ASTM E119: 2018
207.		Autoclaved Reinforced Cellular Concrete Floor and Wall Slabs	Classification
208.	Designation		IS 6072 :2023
209.	Length		IS 2185 (P-3) 1984
210.	Width		IS 2185 (P-3) 1984
211.	Thickness		IS 2185 (P-3) 1984

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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Building, Infrastructure & Construction Materials			
212.	Autoclaved Reinforced Cellular Concrete Floor and Wall Slabs	Warp	IS 2185 (P-3) 1984	
213.		Torsion	IS 2185 (P-3) 1984	
214.		Edge Straightness	IS 2185 (P-3) 1984	
215.		Squareness of angle between adjacent faces	IS 2185 (P-3) 1984	
216.		Bulk Density	IS 6441 (P-1) 1972	
217.		Residual water content	IS 6441 (P-1) 1972	
218.		Physical requirements- Compressive strength	IS 6441 (P-5) 1972	
219.		Drying Shrinkage	IS 6441 (P-2) 1972	
220.		Thermal Conductivity	IS 3346 : 1980	
221.		Fire Resistance, 2 h	IS 3809 : 1979	
222.		Design Load	IS 6072 :2023	
223.		Deflection	IS 6072 :2023	
224.		Ultimate load	IS 6072 :2023	
225.		Autoclaved Reinforced Cellular Concrete Floor and Roof Slabs	Classification	IS 6073 :2006

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
226.	Autoclaved Reinforced Cellular Concrete Floor and Roof Slabs	Designation	IS 6073 :2006
227.		Length	IS 2185 (P-3) 1984
228.		Width	IS 2185 (P-3) 1984
229.		Thickness	IS 2185 (P-3) 1984
230.		Warp	IS 2185 (P-3) 1984
231.		Torsion	IS 2185 (P-3) 1984
232.		Edge Straightness	IS 2185 (P-3) 1984
233.		Squareness of angle between adjacent faces	IS 2185 (P-3) 1984
234.		Bulk Density	IS 6441 (P-1) 1972
235.		Physical requirements- Compressive strength	IS 6441 (P-5) 1972
236.		Drying Shrinkage	IS 6441 (P-2) 1972
237.		Thermal Conductivity	IS 3346 : 1980
238.		Fire Resistance, 2 h	IS 3809 : 1979
239.		Pulverized Fuel Ash-Lime Bricks	General Requirement
240.	General Requirement-Without Frog		IS 12894: 2002

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
241.	Pulverized Fuel Ash-Lime Bricks	General Requirement - With Frog	IS 12894: 2002
242.		Classification	IS 12894: 2002
243.		Dimensions -Length	IS 12894: 2002
244.		Width	IS 12894: 2002
245.		Height	IS 12894: 2002
246.		Average Wet Compressive Strength	IS 3495 (P-1) 2019 (Annexure B)
247.		Drying Shrinkage	IS 4139 1989
248.		Efflorescence	IS 3495 (P-3) 2019
249.		Water Absorption	IS 3495 (P-2) 2019
250.		Pulverized Fuel Ash-Cement Bricks- Specification	General Requirement- Without Frog
251.	Dimensions- Length (L)		IS 16720 : 2018 fig.1A &1B
252.	Dimensions- Width (B)		IS 16720 : 2018 fig.1A &1B
253.	Height (H) - Individual		IS 16720 : 2018 fig.1A &1B
254.	Dimensions- Frog Depth		IS 16720 : 2018 fig.1A &1B

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
255.	Pulverized Fuel Ash-Cement Bricks- Specification	Classification	IS 16720 : 2018 Table 1
256.		General	IS 16720 : 2018
257.		Density	IS 2185 (P-1) 2005 Annex C
258.		Compressive Strength - Individual	IS 3495 (P-1) 2019(Annexure -B)
259.		Compressive Strength - Average Wet Compressive strength	IS 3495 (P-1) 2019(Annexure -B)
260.		Drying Shrinkage	IS 4139: 1989
261.		Water Absorption	IS 3495 (P-2) 2019
262.	Concrete Paving Blocks - Specification	Classification	IS 15658: 2021
263.		Bonding and Delamination between the layers of paver blocks	IS 15658: 2021
264.		General Quality	IS 15658: 2021
265.		Visual Inspection	IS 15658 : 2021
266.		(Colour and Texture	IS 15658 : 2021
267.		Width	IS 15658 : 2021 Annexure - B
268.		Length	IS 15658 : 2021 Annexure - B
269.	Thickness, Th	IS 15658 : 2021 Annexure - B	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
270.	Concrete Paving Blocks - Specification	Aspect Ratio, (L/Th)	IS 15658 : 2021 Annexure - B
271.		Arris/Chamfer	IS 15658 : 2021 Annexure - B
272.		Thickness of Wearing Layer	IS 15658 : 2021 Annexure - B
273.		Plan Area, Asp	IS 15658 : 2021 Annexure - B
274.		Wearing Area, Asw	IS 15658 : 2021 Annexure - B
275.		Ratio of wearing and plan area,	IS 15658 : 2021 Annexure - B
276.		Deviation from squareness	IS 15658 : 2021 Annexure - B
277.		Individual Water absorption)	IS 15658 : 2021 Annexure - C
278.		Water absorption (Average of three test specimens)	IS 15658 : 2021 Annexure - C
279.		Individual Compressive strength	IS 15658 : 2021 Annexure - D
280.		(Compressive strength (Average of eight test specimens)	IS 15658 : 2021 Annexure - D
281.		Individual Dry Abrasion Resistance)	IS 15658 : 2021 Annexure - E
282.		Dry Abrasion resistance (Average of three test specimens)	IS 15658 : 2021 Annexure - E

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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Building, Infrastructure & Construction Materials			
283.	Concrete Paving Blocks - Specification	Individual Wet Abrasion Resistance	IS 15658 : 2021 Annexure - E	
284.		Wet Abrasion resistance (Average of three test specimens)	IS 15658 : 2021 Annexure - E	
285.		Individual Tensile splitting strength	IS 15658 : 2021 Annexure – F	
286.		Average Tensile splitting strength	IS 15658 : 2021 Annexure – F	
287.		Failure Load per unit length	IS 15658 : 2021 Annexure - F	
288.		Individual Flexural strength	IS 15658 : 2021 Annexure – G	
289.		Average Flexural strength	IS 15658 : 2021 Annexure – G	
290.		Breaking Load	IS 15658 : 2021 Annexure – G	
291.		Hardened Concrete Core	Compressive Strength	IS 516 (P-4): 2018
292.		Hardened Concrete	Water Permeability coefficient (5 bar 4 cycles)	AS per CPWD Vol. 2
293.	Chloride migration coefficient		NT Built 492: 1999	
294.	Chloride migration coefficient		SIA 262/1-B: 2013	
295.	Carbonation Resistance		SIA 262-I	

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
296.	Hardened Concrete	Compressive Strength	IS 516 Part 1(Sec-1): 2021
297.		Drying Shrinkage	IS 516: Part 6 : 2020
298.		RCPT	ASTM C1202: 2019
299.		Water absorption	BS 1881 (P-122):1983
300.		Water Permeability (72 Hours) at 5 Bar	DIN1048 (P-5) : 1991
301.		Water Permeability (72 Hours) at 5 Bar	EN 12390-8: 2000
302.		Water Permeability (72 Hours) at 5 Bar	IS 516 (P-2 Sec-1): 2018
303.		Water permeability at 16 bar	AS per CPWD Vol. 2
304.		Cement Mortar Coating	Pull out
305.	Water Proofing Coating	Pull out	ASTM D 4541: 2022
306.	APP Modified HMHDPE Bituminous water proofing and Damp proofing Membrane	Classification	IS 16540 : 2017
307.		Dimension - Length	IS 16540 : 2017
308.		Dimension - Width	IS 16540 : 2017
309.		Dimension - Thickness	IS 16540 : 2017
310.		Weight	IS 16540: 2017

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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Building, Infrastructure & Construction Materials			
311.	APP Modified HMHDPE Bituminous water proofing and Damp proofing Membrane	Softening Point	IS 1205 : 2022	
312.		Tensile Strength (Plain)	IS 13826 (P-1) : 1993	
313.		Tensile Strength (Aluminium)	IS 13826 (P-1) : 1993	
314.		Elongation (Plain)	IS 13826 (P-1) : 1993	
315.		Elongation (Aluminium)	IS 13826 (P-1) : 1993	
316.		Heat Resistance, 2 H at 100 °C	IS 13826 (P-5) : 1994	
317.		Penetration, 25°C, 100 g, 5 S	IS 1203 : 2022	
318.		Water absorption	IS 13826 (P-6) : 1993	
319.		High Density Polyethylene (HDPE) Geo membranes for Lining	Length	IS 7016 (P-1) : 1982
320.			Width	IS 7016 (P-1) : 1982
321.	Average Core Thickness		IS 16352 : 2020	
322.	Lowest Individual of 10 thickness		IS 16352 : 2020	
323.	Average Asperity Height		IS 16352 : 2020	
324.	Tensile Strength		IS 16352 : 2020(Annexure B)	
325.	Breaking Strength	IS 16352 : 2020(Annexure B)		

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Building, Infrastructure & Construction Materials			
326.	High Density Polyethylene (HDPE) Geo membranes for Lining	Yield Elongation	IS 16352 : 2020(Annexure B)	
327.		Breaking Elongation	IS 16352 : 2020(Annexure B)	
328.		Tear Resistance	IS 16352 : 2020(Annexure C)	
329.		Puncture Resistance	IS 16352 : 2020(Annexure D)	
330.		Hydro-static Resistance, up to 20 Kg/cm ²	IS 16352 : 2020(Annexure F)	
331.		Seam Strength	IS 16352 : 2020(Annexure G)	
332.		Carbon black content	IS 2530 : 1963	
333.		Carbon Black Dispersion	IS 2530 : 1963	
334.		Retention of breaking Strength after UV Exposure of 144 Hours	IS 16352 : 2020(Annexure H)	
335.		HDPE Membrane/ HDPE Liner/ Water proofing Membrane/ Polymer products	Tensile Strength	ASTM D 412: 2016
336.			Elongation	ASTM D 412: 2016
337.			Hardness (Shore A)	ASTM D 2240: 2015
338.			Hardness (Shore D)	ASTM D 2240: 2015
339.			Melt Flow Index	ASTM D 1238 : 2010
340.	Puncture Resistance		ASTM D 4883: 2018	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
341.	Fire Doors and Door Sets- Specification	Classification	IS 3614 : 2021
342.		Size of Vision pane (glass)	IS 3614 : 2021
343.		Types of Doors	IS 3614 : 2021
344.		Fire Rating- Integrity	IS 17518 (P-1):2022
345.		Fire Rating - Insulation	IS 17518 (P-1):2022
346.		Types of fire rated hinged doors	IS 3614 : 2021
347.		Types of fire rated hinged doors - Material	IS 3614 : 2021
348.		Fire Doors and Door Sets- Specification (Metallic)	Fire rated Hinged Doors (Metallic)- Width
349.	Fire rated Hinged Doors (Metallic) - Height		IS 3614 : 2021
350.	Fire rated Hinged Doors (Metallic) total Area		IS 3614 : 2021
351.	Fire rated Hinged Doors (Metallic) - Door Construction label		IS 3614 : 2021
352.	Fire rated Hinged Doors (Metallic) - Fire Door frame Size (Profile Size- Width)		IS 3614 : 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
353.	Fire Doors and Door Sets- Specification (Metallic)	Fire rated Hinged Doors (Metallic) - Fire Door frame Size (Profile Size- Height)	IS 3614 : 2021
354.		Fire rated Hinged Doors (Metallic) - Fire Door frame (Depth)	IS 3614 : 2021
355.		Fire rated Hinged Doors (Metallic) - Fire Door frame (Type)	IS 3614 : 2021
356.		Fire rated Hinged Doors (Metallic) - Fire Door frame (Sheet Thickness)	IS 3614 : 2021
357.		Fire rated Hinged Doors (Metallic) - Fire Door frame (Depth)	IS 3614 : 2021
358.		Fire rated Hinged Doors (Metallic) - Door Leaf thickness	IS 3614 : 2021
359.		Fire rated Hinged Doors (Metallic) - Door Leaf width	IS 3614 : 2021
360.		Fire rated Hinged Doors (Metallic) - Door LEAF - Height	IS 3614 : 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
361.	Fire Doors and Door Sets- Specification (Metallic)	Fire rated Hinged Doors (Metallic) - Door Leaf - Undercut	IS 3614 : 2021
362.		Fire rated Hinged Doors (Metallic) - intumescent seal - Model	IS 3614 : 2021
363.		Fire rated Hinged Doors (Metallic) - intumescent seal - Width	IS 3614 : 2021
364.		Fire rated Hinged Doors (Metallic) - intumescent seal - Thickness	IS 3614 : 2021
365.		Fire rated Hinged Doors (Metallic) - Smoke seal - Model	IS 3614 : 2021
366.		Fire rated Hinged Doors (Metallic) - Smoke seal- Width	IS 3614 : 2021
367.		Fire rated Hinged Doors (Metallic) - Smoke seal- Thickness	IS 3614 : 2021
368.		Fire rated Hinged Doors (Metallic) - Vision Pane width	IS 3614 : 2021
369.		Fire rated Hinged Doors (Metallic) - Vision Pane Height	IS 3614 : 2021

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
370.	Fire Doors and Door Sets- Specification (Metallic)	Fire rated Hinged Doors (Metallic) - Vision Pane Area	IS 3614 : 2021
371.		Fire rated Hinged Doors (Metallic) – Louvers Height	IS 3614 : 2021
372.		Fire rated Hinged Doors (Metallic) – Louvers Width	IS 3614 : 2021
373.		Fire rated Hinged Doors (Metallic) – Louvers Area	IS 3614 : 2021
374.		Fire rated Hinged Doors (Metallic) - Builder's hardware - Hinges - Width	IS 3614 : 2021
375.		Fire rated Hinged Doors (Metallic) - Builder's hardware - Hinges - Length	IS 3614 : 2021
376.		Fire rated Hinged Doors (Metallic) - Builder's hardware - Hinges - Thickness	IS 3614 : 2021
377.		Fire rated Hinged Doors (Metallic) - Builder's hardware - Hinges - Make, Model & Type	IS 3614 : 2021
378.		Fire rated Hinged Doors (Metallic) - Builder's hardware - Locking Device- Make , Model & Type	IS 3614 : 2021

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
379.	Fire Doors and Door Sets- Specification (Metallic)	Fire rated Hinged Doors (Metallic) - Builder's hardware - Other Hardware Device -Make, Model & Type	IS 3614 : 2021
380.		Fire rated Hinged Doors (Metallic) – Door Eye Viewer hole	IS 3614 : 2021
381.	Fire Doors and Door Sets- Specification (Wooden Composite)	Fire rated Hinged Doors (Wooden Composite) - Material	IS 3614 : 2021
382.		Fire rated Hinged Doors (Wooden Composite) – Moisture content	IS 11215 : 1991
383.		Fire rated Hinged Doors (Wooden Composite) - Sizes - Width	IS 3614 : 2021
384.		Fire rated Hinged Doors (Wooden Composite) - Sizes - Height	IS 3614 : 2021
385.		Fire rated Hinged Doors (Wooden Composite) - Sizes - Total Area	IS 3614 : 2021

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	Building, Infrastructure & Construction Materials		
386.	Fire Doors and Door Sets- Specification (Wooden Composite)	Fire rated Hinged Doors (Wooden Composite) - Construction - Door frames rating certification	IS 3614 : 2021
387.	Fire Doors and Door Sets- Specification (Wooden Composite)	Fire rated Hinged Doors (Wooden Composite) - Intumescent Seal- Make & Model	IS 3614 : 2021
388.		Fire rated Hinged Doors (Wooden Composite) - Intumescent Seal- Width	IS 3614 : 2021
389.		Fire rated Hinged Doors (Wooden Composite) - Intumescent Seal- Thick	IS 3614 : 2021
390.		Fire rated Hinged Doors (Wooden Composite) - Smoke Seal- Make & Model	IS 3614 : 2021
391.		Fire rated Hinged Doors (Wooden Composite) - Vision Pane - Area	IS 3614 : 2021
392.		Fire rated Hinged Doors (Wooden Composite) - Vision Pane- Width	IS 3614 : 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
393.	Fire Doors and Door Sets- Specification (Wooden Composite)	Fire rated Hinged Doors (Wooden Composite) - Vision Pane- Height	IS 3614 : 2021
394.		Fire rated Hinged Doors (Wooden Composite) - Builder's Hardware - Hardware Conditions	IS 3614 : 2021
395.		Fire rated Hinged Doors (Wooden Composite) - Builder's hardware - Hinges - Length	IS 3614 : 2021
396.		Fire rated Hinged Doors (Wooden Composite) - Builder's hardware - Hinges - Width	IS 3614 : 2021
397.		Fire rated Hinged Doors (Wooden Composite) - Builder's hardware - Hinges - Thickness	IS 3614 : 2021
398.		Fire rated Hinged Doors (Wooden Composite) - Builder's hardware - Hinges - Make, Model & Type	IS 3614 : 2021
399.		Fire rated Hinged Doors (Wooden Composite) - Builder's hardware -Locking Device- Make , Model & Type	IS 3614 : 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
400.	Fire Doors and Door Sets- Specification (Wooden Composite)	Fire rated Hinged Doors (Wooden Composite) - Builder's hardware - Other Hardwares Device - Make , Model & Type	IS 3614 : 2021
401.		Fire rated Hinged Doors (Wooden Composite) – Door Eye Viewer hole	IS 3614 : 2021
402.	Fire Doors and Door Sets- Specification (Rolling Shutter - Metallic)	Fire rated Rolling shutters - Metallic - Type of shutter	IS 3614 : 2021
403.		Fire rated Rolling shutters - Metallic - Size -Total Area	IS 3614 : 2021
404.		Fire rated Rolling shutters - Metallic -Size - Width	IS 3614 : 2021
405.		Fire rated Rolling shutters - Metallic - Size-Height	IS 3614 : 2021
406.		Fire rated Rolling shutters - Metallic - Rolling Shutter- thickness	IS 3614 : 2021
407.		Fire rated Rolling shutters - Metallic - Rolling Shutter- inter- lock	IS 3614 : 2021
408.		Fire rated Rolling shutters - Metallic - End Lock- Thickness	IS 3614 : 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
409.	Fire Doors and Door Sets- Specification (Rolling Shutter - Metallic)	Fire rated Rolling shutters - Metallic - General Requirements - Fire rating	IS 3614 : 2021
410.	Fire Doors and Door Sets- Specification (Sliding Door)	Fire rated Sliding Door (Metallic) -type	IS 3614 : 2021
411.		Fire rated Sliding Door (Metallic) -Closing device	IS 3614: 2021
412.		Fire rated Sliding Door (Metallic) - Material	IS 3614 : 2021
413.		Fire rated Sliding Door (Metallic) - Sizes -Total Area	IS 3614 : 2021
414.		Fire rated Sliding Door (Metallic) - Sizes - Width	IS 3614 : 2021
415.		Fire rated Sliding Door (Metallic) - Sizes - Height	IS 3614 : 2021
416.		Fire rated Sliding Door (Metallic) - Individual panel weight	IS 3614 : 2021
417.		General Retirements of Fire Doors - Fire rating	IS 3614: 2021
418.		General Retirements of Fire Doors - Smoke Seal	IS 3614 : 2021
419.		Marking and Labelling	IS 3614 : 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
420.	Building Construction Materials	Fire Resistance Test	ASTM E 119: 2024
421.	Door & Windows	Fire Resistance Test	EN 1364-1: 2015
422.		Fire Resistance Test	BS 476-20: 1987
423.		Fire Resistance Test -Non-Load Bearing Structures	BS 476- 22: 1987
424.		Fire Resistance Test - Glazed Elements (Building Construction)	Fire Resistance Test
425.	Fire Resistance Test for Structures (Doors & Windows)	Fire Resistance Test	IS 3809: 1979
426.	Doors & Shutter	Fire Resistance - General Requirements	IS 17518 (P-1): 2022
427.	Fire Resistance Test for Structures (Wall, Floor & ceiling panels)	Fire Resistance Test	IS 3809: 1979
428.	Wall, Floor and Ceiling Panels	Fire Resistance Test	EN 1364-1 : 2015
429.		Fire Resistance Test	BS 476-20: 1987
430.		Fire Resistance Test -Non-Load Bearing Structures	BS 476- 22 : 1987
431.		Fire Resistance Test	BS EN 1634-1 : 2014

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
432.	Cement Board Products	Fire Resistance Test	IS 3809 : 1979
433.	Cement Board Products	Fire Resistance Test	EN1364-1: 2015
434.	Building & Construction Elements	Fire Resistance Test	BS 476-20: 1987
435.	Building & Construction Elements	Fire Resistance Test -Non-Load Bearing Structures	BS 476- 22 : 1987
436.	Structures (Doors & Shutters)	Fire Resistance Test	IS 16074
437.	Structures (Doors & Shutters)	Fire Resistance Test	ISO 3008-1
438.	Structures (Doors & Windows)	Fire Resistance	EN 1364-1
439.	Elements of Building Construction (Doors, Windows & Shutter)	Fire Resistance	ISO 834 (Part 1)
440.	Doors with Glass Panes, Openable Glass Windows and Sliding Glass Doors	Fire Resistance Test	IS 16947
441.	Glass Walls	Fire Resistance Test	IS 16945
442.	Wall, Floor and Ceiling Panels	Fire Resistance	EN 1364-1
443.	Building & Construction Elements	Fire resistance test (General requirements)	EN 1363-1 : 2012

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
444.	Building & Construction Elements (Non load Bearing Ceiling Elements)	Fire resistance test	IS 834 (P-9) : 2003
445.	Building & Construction Elements (Non load Bearing Vertical Elements)	Fire resistance test	IS 834 (P-8) : 2002
446.	Walls (Non load Bearing elements)	Fire Resistance Test	EN1364-1: 2015
447.	Ceilings (Non load Bearing elements)	Fire Resistance Test	EN1364-2: 2015
448.	Curtain Walling- Full Configuration (Non load Bearing elements)	Fire Resistance Test	EN1364-3: 2015
449.	Curtain Walling- Part Configuration (Non load Bearing elements)	Fire Resistance Test	EN 1364-4: 2014
450.	Gypsum Board Products	Fire Resistance Test	IS 3809 : 1979
451.		Fire Resistance Test	EN1364-1: 2015
452.		Fire Resistance Test	BS 476-20: 1987
453.		Fire Resistance Test -Non-Load Bearing Structures	BS 476- 22: 1987
454.		Fire Resistance Test	BS EN 1634-1: 2014

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
455.	Timber/Wood / Doors and Window Frame	Moisture Content	IS 287: 1993
456.		Moisture Content	IS 11215: 1991
457.		Moisture content	IS 1141: 1993
458.	Wood/Plywood	Treatment	IS 5539: 1969
459.	Wood/Plywood	Retention of Preservative	IS 2753 P-1: 1991
460.	Wood/Timber	Formaldehyde content	IS 13745: 2020
461.	Fire-resistance tests-Elements of building construction	Fire resistance test	IS/ISO 834 (P-8): 2002
462.	Methods of test for Mineral Gypsum	Calcium sulphate-dihydrate as CaSO ₄ . 2H ₂ O or Gypsum	IS 1288: 1982
463.	Methods of test for Mineral Gypsum	Free water (Natural gypsum)	IS 1288: 1982
464.	Methods of test for Mineral Gypsum	Silicon dioxide as SiO ₂	IS 1288: 1982
465.	Gypsum Plaster for use in the manufacture of fibrous plaster boards	Chloride content	IS 8272: 1984
466.	Method of test for Determination of pH value	pH value (Natural gypsum)	IS 2720 P-26: 1987
467.	Steel Flush Door Shutters	Classification	IS 16074: 2024 CL. 4

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
468.	Steel Flush Door Shutters	Type of material	IS 16074: 2024 CL.5
469.	Steel Flush Door Shutters	Material Thickness	IS 16074: 2024 CL.5 Table -1
470.	Steel Flush Door Shutters	Mass of zinc coating	IS 16074: 2024 CL.5.1 / IS 277
471.	Steel Flush Door Shutters	Type of Paint coating	IS 16074: 2024 CL.5.2/ IS 14246: 2024
472.	Steel Flush Door Shutters	Paint coating Thickness	IS 16074: 2024 CL.5.2 / IS 14246-2024/IS 277: 2018
473.	Steel Flush Door Shutters	Width	IS 16074: 2024 CL.6
474.	Steel Flush Door Shutters	Height	IS 16074: 2024 CL.6
475.	Steel Flush Door Shutters	Thickness	IS 16074: 2024 CL.6
476.	Steel Flush Door Shutters	Clear Passage Size	IS 16074: 2024 CL.6.4
477.	Steel Flush Door Shutters	Shutter Construction (Joints)	IS 16074: 2024 CL.7.1.1
478.	Steel Flush Door Shutters	Channel/Closures Thickness	IS 16074: 2024 CL.7.1.1.2
479.	Steel Flush Door Shutters	Shutter Construction (Infill Core)	IS 16074: 2024 CL.7.1.2
480.	Steel Flush Door Shutters	Shutter Construction (Overall Construction)	IS 16074: 2024 CL.7.1.3
481.	Steel Flush Door Shutters	Rail/ Stile, Size	IS 16074: 2024 Cl. 7.1.3.2
482.	Steel Flush Door Shutters	Vision Panel, thickness	IS 16074: 2024 Cl. 7.2

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
483.	Steel Flush Door Shutters	Vision Panel	IS 16074: 2024 Cl. 7.2
484.		Louvers	IS 16074: 2024 Cl. 7.3
485.		Astragals	IS 16074: 2024 Cl. 7.4
486.		Workmanship/Finish	IS 16074: 2024 Cl. 7.5 & 8
487.		Hardware reinforcement	IS 16074: 2024 Cl. 7.6
488.		Hinges	IS 16074: 2024 Cl. 7.6.1
489.		Mortise/Rim Lock/Night Latch/Dead Bolt	IS 16074: 2024 Cl. 7.6.2
490.		Flush Bolt (Concealed), Handle, Door Closure, Door Stopper	IS 16074: 2024 Cl. 7.6.3
491.		Surface Exit Device, Panic Bar, Floor Checking Hinge, Door Hold Open Arm	IS 16074: 2024 Cl. 7.6.4
492.		Surface Applied Hardware	IS 16074: 2024 Cl. 7.6.5
493.		Hinge location	IS 16074: 2024 Cl. 7.6.8
494.		Hardware location	IS 16074: 2024 Cl. 7.6.9
495.		Door Handing	IS 16074: 2024 CL- 9
496.		Classification of tests (door shutter)	IS 16074: 2024 CL- 10.1 - 10.10/ IS 4020: 1998 Part : 1 to 16

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
497.	Wooden Flush Door Shutters	Grade – BWP (Boiling water proof)	IS 2202 (P-2): 2022 CL.4.1
498.		Grade – MR (Moisture resistance)	IS 2202 (P-2): 2022 CL.4.1
499.		Type	IS 2202 (P-2): 2022 CL.4.2 Table- 1
500.		Size – Thickness of Door Shutters	IS 2202 (P-2): 2022 CL.5 Table -2
501.		Size – Width of Door Shutters	IS 2202 (P-2): 2022 CL.5 Table -2
502.		Size – Height of Door Shutters	IS 2202 (P-2): 2022 CL.5 Table- 2
503.		Designation of Door Shutters	IS 2202 (P-2): 2022 CL.5 Table- 2
504.		Materials- Timber	IS 2202 (P-2): 2022 CL.6 (Annex B)
505.		Construction	IS 2202 (P-2): 2022 CL.7
506.		Fittings	IS 2202 (P-2): 2022 CL.8
507.		Workmanship and finish	IS 2202 (P-2): 2022 CL.9
508.		Classification of tests (door shutter)	IS 2202 (P-2): 2022 CL- 10 to 10.3/ IS 2202 P-1: 2023/ IS 4020: 1998 Part : 1 to 16
509.		Grade – BWP (Boiling water proof)	IS 2202 (P-1): 2023 Cl.4.1

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
510.	Wooden Flush Door Shutters	Grade – MR (Moisture resistance)	IS 2202 (P-1): 2023 CL. 4.1
511.		Type	IS 2202 (P-1): 2023 CL.4.2
512.		Size – Thickness of Door Shutters	IS 2202 (P-1): 2023 CL.5 Table -2
513.		Size – Width of Door Shutters	IS 2202 (P-1): 2023 CL.5 Table -2
514.		Size – Height of Door Shutters	IS 2202 (P-1): 2023 CL.5 Table- 2
515.		Designation of Door Shutters	IS 2202 (P-1): 2023 CL.5 Table- 2
516.		Materials	IS 2202 (P-1): 2023 CL.6 (Annex B)
517.		Preservative treatment	IS 2202 (P-1): 2023 CL. 6.1.5.1
518.		Construction	IS 2202 (P-1): 2023 CL. 7
519.		Blockboard core	IS 2202 (P-1): 2023 CL. 7.1
520.		Particle Board or Medium Density Fibre (MDF) Board Core	IS 2202 (P-1): 2023 CL. 7.2
521.		Stiles and Rails	IS 2202 (P-1): 2023 CL. 7.3
522.		Levelling	IS 2202 (P-1): 2023 CL. 7.4
523.		Face Panel	IS 2202 (P-1): 2023 CL. 7.5
524.		Lipping	IS 2202 (P-1): 2023 CL. 7.6

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
525.	Wooden Flush Door Shutters	Rebating	IS 2202 (P-1): 2023 CL. 7.7
526.		Opening for Glazing	IS 2202 (P-1): 2023 CL. 7.8
527.		Venetian	IS 2202 (P-1): 2023 CL. 7.9
528.		Fittings	IS 2202 (P-1): 2023 CL. 8
529.		Workmanship and Finish	IS 2202 (P-1): 2023 CL. 9
530.		Classification of tests- door shutter (Acceptance Tests/ Type tests)	IS 2202 (P-1): 2023 CL- 10, CL.10.1, CL.10.1.1, CL.10.1.2
531.		Requirements of tests	IS 2202 (P-1): 2023 CL- 11 (CL. 11.1-11.15)/ IS 4020: 1998 Part :1 to 16
532.		Grade – BWP (Boiling water proof)	IS 2191 (P-1): 2022 CL.4.1
533.		Grade – MR (Moisture resistance)	IS 2191 (P-1): 2022 CL.4.1
534.		Type	IS 2191 (P-1): 2022 CL. 4.2
535.		Size – Thickness of Door Shutters	IS 2191 (P-1): 2022 CL.5 Table 2
536.		Size – Width of Door Shutters	IS 2191 (P-1): 2022 CL.5 Table 2
537.		Size – Height of Door Shutters	IS 2191 (P-1): 2022 CL.5 Table 2

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
538.	Wooden Flush Door Shutters	Designation of Door Shutters	IS 2191 (P-1): 2022 CL.5 Table 2
539.		Materials	IS 2191 (P-1): 2022 CL.6 (Annex B)
540.		Preservative treatment	IS 2191 (P-1): 2022 CL. 6.1.5
541.		Construction	IS 2191 (P-1): 2022 CL. 7
542.		Cellular core	IS 2191 (P-1): 2022 CL. 7.1
543.		Hollow core	IS 2191 (P-1): 2022 CL. 7.2
544.		Tubular core	IS 2191 (P-1): 2022 CL. 7.3
545.		Stiles and Rails	IS 2191 (P-1): 2022 CL. 7.4
546.		Levelling	IS 2191 (P-1): 2022 CL. 7.5
547.		Face Panel	IS 2191 (P-1): 2022 CL. 7.6
548.		Lipping	IS 2191 (P-1): 2022 CL. 7.7
549.		Rebating	IS 2191 (P-1): 2022 CL. 7.8
550.		Opening for Glazing	IS 2191 (P-1): 2022 CL. 7.9
551.		Venetian	IS 2191 (P-1): 2022 CL. 7.10
552.		Fittings	IS 2191 (P-1): 2022 CL. 8
553.		Workmanship and Finish	IS 2191 (P-1): 2022 CL. 9

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
554.	Wooden Flush Door Shutters	Classification of tests- door shutter (Acceptance Tests/ Type tests)	IS 2191 (P-1): 2022 CL- 10, CL. 10.1, CL. 10.1.1, CL. 10.1.2
555.		Requirements of test	IS 2191 (P-1): 2022 CL- 11 (CL. 11.1-11.15)/ IS 4020: 1998 Part :1 to 16
556.		Grade – BWP (Boiling water proof)	IS 2191 (P-2): 2022 CL. 4.1a
557.		Grade – MR (Moisture resistance)	IS 2191 (P-2): 2022 CL. 4.1b
558.		Type	IS 2191 (P-2): 2022 CL. 4.2
559.		Size – Thickness of Door Shutters	IS 2191 (P-2): 2022 CL.5 Table – 2
560.		Size – Width of Door Shutters	IS 2191 (P-2): 2022 CL.5 Table – 2
561.		Size – Height of Door Shutters	IS 2191 (P-2): 2022 CL.5 Table – 2
562.		Designation of Door Shutters	IS 2191 (P-2): 2022 Table – 2
563.		Materials	IS 2191 (P-2): 2022 CL. 6
564.		Construction	IS 2191 (P-2): 2022 CL. 7
565.		Fitting	IS 2191 (P-2): 2022 CL. 8
566.		Workmanship and Finish	IS 2191 (P-2): 2022 CL.9

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
567.	Wooden Flush Door Shutters	Classification of tests (door shutter)	IS 2191 (P-2): 2022 CL.10 to 10.3/ IS 2191 P-1: 2022/ IS 4020: 1998 Part: 1 to 16
568.	Door Shutters	Width	IS 4020 P-2: 1998
569.		Height	IS 4020 P-2: 1998
570.		Frame Opening Width	IS 4020 P-2: 1998
571.		Frame Opening Height	IS 4020 P-2: 1998
572.		Shutter Opening Width	IS 4020 P-2: 1998
573.		Shutter Opening Height	IS 4020 P-2: 1998
574.		Shutter Thickness	IS 4020 P-2: 1998
575.		Squareness (At length of 500 mm)	IS 4020 P-2: 1998
576.		General Flatness Test Twist	IS 4020 (P-3): 1998
577.		General Flatness Test Cupping	IS 4020 (P-3): 1998
578.		General Flatness Test Wrapping	IS 4020 (P-3): 1998
579.		Local Planeness Test	IS 4020 (P-4): 1998
580.		Impact Indentation Test	IS 4020 (P-5): 1998

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	Building, Infrastructure & Construction Materials		
581.	Door Shutters	Impact Indentation Test (Depth of Indentation)	IS 4020 (P-5): 1998
582.		Flexure Test (Residual Deflection)	IS 4020 (P-6): 1998
583.		Flexure Test (Deflection at Maximum load)	IS 4020 (P-6): 1998
584.		Edge loading Test (Residual Deflection)	IS 4020 (P-7): 1998
585.		Edge loading Test (Deflection of the edge at maximum load)	IS 4020 (P-7): 1998
586.		Shock Resistance Test	IS 4020 (P-8): 1998
587.		Buckling Resistance Test	IS 4020 (P-9): 1998
588.		Buckling Resistance Test (Residual Deformation)	IS 4020 (P-9): 1998
589.		Buckling Resistance Test (initial deflection)	IS 4020 (P-9): 1998
590.		Slamming Test	IS 4020 (P-10): 1998
591.		Misuse Test	IS 4020 (P-11): 1998
592.		Varying Humidity Test	IS 4020 (P-12): 1998
593.		End Immersion Test	IS 4020 (P-13): 1998

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
594.	Door Shutters	Knife Test	IS 4020 (P-14): 1998
595.		Glue Adhesion Test	IS 4020 (P-15): 1998
596.		Screw Withdrawal resistance test	IS 4020 (P-16): 1998
597.	Plywood For Concrete Shuttering works	Types of Plywood	IS 4990: 2024 CL. 4, CL. 4.1
598.		Formaldehyde - Class	IS 4990: 2024 CL. 4.2
599.		Material-Timber	IS 4990: 2024 CL. 5.1
600.		Material- Adhesive of bonding of Veneers	IS 4990: 2024 CL. 5.2
601.		Manufacturer	IS 4990: 2024 CL. 6
602.		Manufacturer Mechanical Properties of Veneers	IS 4990: 2024 CL. 6.1,6.3
603.		Manufacturer Thickness of Veneers	IS 4990: 2024 CL. 6.2
604.		Manufacturer Veneers slope	IS 4990: 2024 CL. 6.2
605.		Manufacturer Plywood for Concrete Shuttering	IS 4990: 2024 CL. 6.4
606.		Manufacturer Scarf Joints	IS 4990: 2024 CL. 6.5
607.	Manufacturer Preservative treatment	IS 4990: 2024 CL. 6.6	

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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Building, Infrastructure & Construction Materials			
608.	Plywood For Concrete Shuttering works	Dimension- Length	IS 4990: 2024 CL. 7, CL.7.1	
609.		Dimension- Width	IS 4990: 2024 CL. 7, CL.7.1	
610.		Thickness	IS 4990: 2024 CL. 7.1, 7.2	
611.		Squareness	IS 4990: 2024 CL. 7.3, CL. 7.4 ANNEX-C Table- 1	
612.		Straightness	IS 4990: 2024 CL. 7.3, CL. 7.4 ANNEX-C Table- 1	
613.		Workmanship & Finish	IS 4990: 2024 CL.8	
614.		Classification of tests	IS 4990: 2024 CL.10, (CL. 10.3 to CL. 10.12)/ IS 1734 P 1-20: 1983	
615.		Steam pressure test	IS 4990: 2024 CL. 10.5.2 ANNEX-D	
616.		Plywood for concrete shuttering- Boil test	IS 4990: 2024 Clause 10.6	
617.		Retention of preservative	IS 4990: 2024 Clause 10.11/ IS 2753 (Part 1).	
618.		Formaldehyde Content Test	IS 4990: 2024 Clause 10.12/ IS 13745.	
619.		Veneered Decorative Plywood	Type/Grade	IS 1328: 2025 CL. 4
620.		Veneered Decorative Plywood	Material - Timber	IS 1328: 2025 CL. 5.1
621.	Veneered Decorative Plywood	Adhesive	IS 1328: 2025 CL. 5.2	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
622.	Veneered Decorative Plywood	Plywood	IS 1328: 2025 CL. 5.3
623.	Veneered Decorative Plywood	Manufacture- treatment	IS 1328: 2025 CL.6
624.	Veneered Decorative Plywood	Requirements – (Open splits, checks or open joints-For Type 1	IS 1328: 2025 CL. 7.1
625.	Veneered Decorative Plywood	(Requirements - Open splits, checks or open joints-For Type2	IS 1328: 2025 CL. 7.2
626.	Veneered Decorative Plywood	(Requirements - Open splits, checks or open joints-For Type 3	IS 1328: 2025 CL. 7.3
627.	Veneered Decorative Plywood	(Requirements - Open splits, checks or open joints-For Type4	IS 1328: 2025 CL. 7.4
628.	Veneered Decorative Plywood	Length, mm	IS 1328: 2025CL. 8.1
629.	Veneered Decorative Plywood	Width, mm	IS 1328: 2025 CL. 8.1
630.	Veneered Decorative Plywood	Thickness, mm	IS 1328: 2025 CL. 8.2
631.	Veneered Decorative Plywood	Squareness	IS 1328: 2025 CL. 8.3 Annex-B
632.	Veneered Decorative Plywood	Straightness	IS 1328: 2025 CL. 8.3 Annex-B
633.	Veneered Decorative Plywood	Workmanship & Finish	IS 1328: 2025 CL. 9
634.	Veneered Decorative Plywood	Physical & mechanical requirements	IS 1328: 2025 CL. 11 (Cl. 11.3 to Cl. 11.5)
635.	Veneered Decorative Plywood	Moisture content	IS 1328: 2025 CL. 11.3

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
636.	Veneered Decorative Plywood	Water resistance test	IS 1328: 2025 CL. 11.4
637.	Veneered Decorative Plywood	Formaldehyde content	IS 1328: 2025 CL. 11.5
638.	Veneered Decorative Plywood	Others tests	IS 1328: 2025 CL. 11.7/ IS 1734 (Part 1 to 20)
639.	Structural Plywood	Material - Timber	IS 10701: 2012 CL. 4.1
640.	Structural Plywood	Adhesive	IS 10701: 2012 CL. 4.2
641.	Structural Plywood	Plywood – BWP grade	IS 10701: 2012 CL. 5
642.	Structural Plywood	Treatment – Preservative	IS 10701: 2012 CL. 6
643.	Structural Plywood	Manufacturer Veneers - Moisture Content	IS 10701: 2012 CL. 7.1
644.	Structural Plywood	Manufacturer Veneers - Thickness	IS 10701: 2012 CL. 7.1
645.	Structural Plywood	Manufacturer Core gaps, Overlaps and warp	IS 10701: 2012 CL.7.1
646.	Structural Plywood	Blister	IS 10701: 2012 CL.7.1.4
647.	Structural Plywood	Check	IS 10701: 2012 CL.7.1.4
648.	Structural Plywood	Discolouration	IS 10701: 2012 CL.7.1.4
649.	Structural Plywood	Dote	IS 10701: 2012 CL.7.1.4

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
650.	Structural Plywood	Insect Hole	IS 10701: 2012 CL.7.1.4
651.	Structural Plywood	Joints	IS 10701: 2012 CL.7.1.4
652.	Structural Plywood	Knots (dead)	IS 10701: 2012 CL.7.1.4
653.	Structural Plywood	Pin Knots (dead)	IS 10701: 2012 CL.7.1.4
654.	Structural Plywood	Pin knots (live)	IS 10701: 2012 CL.7.1.4
655.	Structural Plywood	Knots (tight)	IS 10701: 2012 CL.7.1.4
656.	Structural Plywood	Patches	IS 10701: 2012 CL.7.1.4
657.	Structural Plywood	Splits	IS 10701: 2012 CL.7.1.4
658.	Structural Plywood	Swirl	IS 10701: 2012 CL.7.1.4
659.	Structural Plywood	Construction Details Scarf joints	IS 10701: 2012 CL.7.2,7.3
660.	Structural Plywood	Construction Details Moisture Content	IS 10701: 2012 CL.7.4
661.	Structural Plywood	Length, mm	IS 10701: 2012 CL. 8.1
662.	Structural Plywood	Width, mm	IS 10701: 2012 CL. 8.1
663.	Structural Plywood	Thickness, mm	IS 10701: 2012 CL.8.2
664.	Structural Plywood	Squareness	IS 10701: 2012 CL.8.3
665.	Structural Plywood	Straightness	IS 10701: 2012 CL. 8.3

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
666.	Structural Plywood	Workmanship & Finish	IS 10701: 2012 CL. 9
667.	Structural Plywood	Classification of tests	IS 10701: 2012 CL. 11 (CL. 11.2 to CL.11.9)/ IS 1734 P-1 to 20: 1983/ IS 2753 P- 1 & 2
668.	Marine Plywood	Material - Timber	IS 710: 2024 CL.4.1 ANX-B
669.	Marine Plywood	Material - Adhesive	IS 710: 2024 CL. 4.2/ IS 848
670.	Marine Plywood	Veneers	IS 710: 2024 CL. 5.1
671.	Marine Plywood	Defect in Veneers	IS 710: 2024 CL.5.1.1
672.	Marine Plywood	Glueing	IS 710: 2024 CL.5.2.1
673.	Marine Plywood	Thickness of Veneers	IS 710: 2024 CL.5.2.2
674.	Marine Plywood	Joint in Veneers	IS 710: 2024 CL.5.2.3
675.	Marine Plywood	Edge Joints	IS 710: 2024 CL.5.2.3.2
676.	Marine Plywood	End Joints	IS 710: 2024 CL.5.2.3.3
677.	Marine Plywood	Scarf Joints	IS 710: 2024 CL.5.2.3.4
678.	Marine Plywood	Grain Direction	IS 710: 2024 CL.5.2.4
679.	Marine Plywood	Treatment	IS 710: 2024 CL.5.3
680.	Marine Plywood	Moisture Content	IS 710: 2024 CL.5.4/ IS 287

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
681.	Marine Plywood	Length, mm	IS 710: 2024 CL.6.1
682.	Marine Plywood	Width, mm	IS 710: 2024 CL.6.1
683.	Marine Plywood	Thickness, mm	IS 710: 2024 CL.6.2
684.	Marine Plywood	Squareness	IS 710: 2024 CL.6.3 ANX-C
685.	Marine Plywood	Edge Straightness	IS 710: 2024 CL.6.3 ANX-C
686.	Marine Plywood	Workmanship & Finish	IS 710: 2024 CL.7
687.	Marine Plywood	Physical & mechanical tests	IS 710: 2024 CL.9 (CL. 9.3 to CL.9.11) ANX- D/S 1734 P 1 to 20: 1983
688.	Marine Plywood	Wet bending test (MOR)	IS 710: 2024 CL.9.9 Table-3
689.	Marine Plywood	Wet bending test (MOE)	IS 710: 2024 CL.9.9 Table-3
690.	Marine Plywood	Retention of preservative	IS 710: 2024 CL.9.10/ IS 2753 P 1 & 2
691.	Marine Plywood	Formaldehyde content	IS 710: 2024 CL.9.11/ IS 13745
692.	Marine Plywood	Requirements for ECO mark-visual	IS 710: 2024 CL.10
693.	Marine Plywood	Marking	IS 710: 2024 CL.11
694.	Fire Retardant Plywood	Flame retardant chemicals	IS 5509: 2021 CL.4, CL. 4.1
695.	Fire Retardant Plywood	Flame retardant & preservative treatment	IS 5509: 2021 CL.4.2

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
696.	Fire Retardant Plywood	Preparation for treatment	IS 5509: 2021 CL.5/IS 303
697.	Fire Retardant Plywood	Fire Retardant Treatment	IS 5509: 2021 CL.6
698.	Fire Retardant Plywood	Conditioning after treatment- Moisture content	IS 5509: 2021 CL.7
699.	Fire Retardant Plywood	Dimensions (Length) - Full Size	IS 5509: 2021 CL.8, CL. 8.1
700.	Fire Retardant Plywood	Dimensions (Width)- Full Size	IS 5509: 2021 CL. 8, CL. 8.1
701.	Fire Retardant Plywood	Dimensions (Thickness) - Full Size	IS 5509: 2021 CL. 8.2
702.	Fire Retardant Plywood	Dimensions (Squareness)- Full Size	IS 5509: 2021 CL. 8.3 Annex-A
703.	Fire Retardant Plywood	Dimensions (Edge Straightness) - Full Size	IS 5509: 2021 CL. 8.3 Annex-A
704.	Fire Retardant Plywood	Workmanship & finish	IS 5509: 2021 CL. 9
705.	Fire Retardant Plywood	Tests - Requirements	IS 5509: 2021 CL. 12, CL.12.1, Table-2/ IS 1734 P- 1 & 3: 1983
706.	Fire Retardant Plywood	Others tests	IS 5509: 2021 CL. 12.2/ IS 303
707.	Fire Retardant Plywood	Requirements for ECO mark-visual	IS 5509: 2021 CL. 13
708.	Fire Retardant Plywood	Marking	IS 5509: 2021 CL. 14
709.	Plywood	Moisture Content	IS 1734 P-1: 1983

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	Building, Infrastructure & Construction Materials		
710.	Plywood	Density	IS 1734 P-1: 1983
711.	Plywood	Resistance to dry heat	IS 1734 P-2: 1983
712.	Plywood	Flammability	IS 1734 P-3: 1983
713.	Plywood	Flame Penetration	IS 1734 P-3: 1983
714.	Plywood	Rate of Burning	IS 1734 P-3: 1983
715.	Plywood	Glue Shear Strength (Dry condition)	IS 1734 P-4: 1983
716.	Plywood	Glue Shear Strength (Wet condition)	IS 1734 P-4: 1983
717.	Plywood	Water Resistance test Adhesion of Plies	IS 1734 P-5: 1983
718.	Plywood	Glue Adhesion in Dry state Adhesion of Plies	IS 1734 P-5: 1983
719.	Plywood	Water resistance	IS 1734 P-6: 1983
720.	Plywood	Mycological test	IS 1734 P-7: 1983
721.	Plywood	pH Value	IS 1734 P-8: 1983
722.	Plywood	Tensile Strength	IS 1734 P-9: 1983
723.	Plywood	Compressive Strength	IS 1734 P-10: 1983

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
724.	Plywood	Wet Bending Strength- Modulus of rupture	IS 1734 P-11: 1983
725.	Plywood	Wet Bending Strength- Modulus of Elasticity	IS 1734 P-11: 1983
726.	Plywood	Static Bending Strength- Modulus of rupture	IS 1734 P-11: 1983
727.	Plywood	Static Bending Strength- Modulus of Elasticity	IS 1734 P-11: 1983
728.	Plywood	Scarf Joint Strength	IS 1734 P-12: 1983
729.	Plywood	Panel Shear strength	IS 1734 P-13: 1983
730.	Plywood	Plate Shear Strength- Modulus of Rigidity	IS 1734 P-14: 1983
731.	Plywood	Central loading of plate test	IS 1734 P-15: 1983
732.	Plywood	Long time loading test of plywood strips	IS 1734 P-17: 1983
733.	Plywood	Impact resistance test	IS 1734 P-18: 1983
734.	Plywood	Nails and screw holding power	IS 1734 P-19: 1983
735.	Plywood	Acidity and Alkalinity resistance test	IS 1734 P-20: 1983
736.	Plywood	Grades & Class	IS 303: 2024 CL. 4.0

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	Building, Infrastructure & Construction Materials		
737.	Plywood	Formaldehyde class	IS 303: 2024 CL. 4.2
738.	Plywood	Types based on classification by appearance	IS 303: 2024 CL. 5
739.	Plywood	Types	IS 303: 2024 CL. 5.1
740.	Plywood	Blister	IS 303: 2024 CL. 5.2/ Table-1& 2
741.	Plywood	Check	IS 303: 2024 CL. 5.2/ Table-1& 2
742.	Plywood	Discolouration	IS 303: 2024 CL. 5.2/ Table-1& 2
743.	Plywood	Dote	IS 303: 2024 CL. 5.2/ Table-1& 2
744.	Plywood	Insect Hole	IS 303: 2024 CL. 5.2/ Table-1& 2
745.	Plywood	Joints	IS 303: 2024 CL. 5.2/ Table-1& 2
746.	Plywood	Knots (dead)	IS 303: 2024 CL. 5.2/ Table-1& 2
747.	Plywood	Pin Knots (dead)	IS 303: 2024 CL. 5.2/ Table-1& 2
748.	Plywood	Pin knots (live)	IS 303: 2024 CL. 5.2/ Table-1& 2
749.	Plywood	Knots (tight)	IS 303: 2024 CL. 5.2/ Table-1& 2
750.	Plywood	Patches	IS 303: 2024 CL. 5.2/ Table-1& 2
751.	Plywood	Splits	IS 303: 2024 CL. 5.2/ Table-1& 2
752.	Plywood	Swirl	IS 303: 2024 CL. 5.2/ Table-1& 2

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	Building, Infrastructure & Construction Materials		
753.	Plywood	Material- Timber	IS 303: 2024 CL. 6.1 Annex-B
754.	Plywood	Adhesive	IS 303: 2024 CL. 6.2
755.	Plywood	Manufacture -Treatments	IS 303: 2024 CL.7.1.1
756.	Plywood	Thickness of veneers	IS 303: 2024 CL.7.2.1
757.	Plywood	Joints in Veneers	IS 303: 2024 CL.7.2.2
758.	Plywood	Grain Direction	IS 303: 2024 CL.7.2.3
759.	Plywood	Scarf Joints	IS 303: 2024 CL.7.2.4
760.	Plywood	Permissible Defects	IS 303: 2024 CL.7.2.5
761.	Plywood	Length, mm	IS 303: 2024 CL.8.1
762.	Plywood	Width, mm	IS 303: 2024 CL.8.1
763.	Plywood	Thickness, mm	IS 303: 2024 CL.8.2
764.	Plywood	Squareness	IS 303: 2024 CL.8.3 Annex-C
765.	Plywood	Edge Straightness	IS 303: 2024 CL.8.3 Annex-C
766.	Plywood	Workmanship & Finish	IS 303: 2024 CL.9
767.	Plywood	Tests – Physical & mechanical	IS 303: 2024 CL.11
768.	Plywood	Glue Adhesion	IS 303: 2024 CL.11.3

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
769.	Plywood	Water Resistance Test	IS 303: 2024 CL.11.3.1
770.	Plywood	Mycological Test	IS 303: 2024 CL.11.3.2
771.	Plywood	Moisture Content	IS 303: 2024 CL.11.4
772.	Plywood	Static Bending Strength (MOR)	IS 303: 2024 CL.11.5 Table -4
773.	Plywood	Static Bending Strength (MOE)	IS 303: 2024 CL.11.5 Table -4
774.	Plywood	Formaldehyde Content Test	IS 303: 2024 CL.11.6
775.	Plywood	Others tests	IS 303: 2024 CL.11.8
776.	Synthetic Resin Adhesives for Plywood	Type	IS 848: 2025 CL. 4 Table- 1
777.	Synthetic Resin Adhesives for Plywood	Keeping qualities of resin adhesives	IS 848: 2025 CL. 5
778.	Synthetic Resin Adhesives for Plywood	Instructions for use	IS 848: 2025 CL.6, 6.1
779.	Synthetic Resin Adhesives for Plywood	Shelf Life of Adhesive or Adhesive Components	IS 848: 2025 CL.6.2
780.	Synthetic Resin Adhesives for Plywood	Preparation for Use	IS 848: 2025 CL.6.3
781.	Synthetic Resin Adhesives for Plywood	Usable Life of Mixed Adhesive or Pot Life	IS 848: 2025 CL.6.4

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
782.	Synthetic Resin Adhesives for Plywood	Applications	IS 848: 2025 CL.6.5
783.	Synthetic Resin Adhesives for Plywood	Setting Times and Conditions	IS 848: 2025 CL.6.6
784.	Synthetic Resin Adhesives for Plywood	Classification of tests	IS 848: 2025 CL.7
785.	Synthetic Resin Adhesives for Plywood	Preparation of Test Pieces	IS 848: 2025 CL.7.2 Annex-A
786.	Synthetic Resin Adhesives for Plywood	Cyclic Test (for BWP, BWR or MR types)	IS 848: 2025 CL.7.3 Table- 1
787.	Synthetic Resin Adhesives for Plywood	Acidity and Alkalinity (pH)	IS 848: 2025 CL.7.4 Annex-B
788.	Synthetic Resin Adhesives for Plywood	Marking-Visual	IS 848: 2025 CL.9, 9.1
789.	Synthetic Resin Adhesives for Plywood	BIS Certification Marking- Visual	IS 848: 2025 CL.9.2
790.	Gypsum Plaster Boards- Plain Gypsum Plaster Boards	Type/Classification of board	IS 2095 (Part 1): 2023 CL. 4 Table- 1
791.		Materials	IS 2095 (Part 1): 2023 CL.5, Table -2
792.		Gypsum Plaster	IS 2095 (Part 1): 2023 CL.5.1, Table -2
793.		Additives	IS 2095 (Part 1): 2023 CL.5.2, Table -2
794.		Paper Liner (GSM)	IS 2095 (Part 1): 2023 CL.5.3, Table -2

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
795.	Gypsum Plaster Boards- Plain Gypsum Plaster Boards	Manufacturing	IS 2095 (Part 1): 2023 CL.6
796.		Requirements	IS 2095 (Part 1): 2023 CL.7
797.		Dimensions- Length	IS 2095 (Part 1): 2023 CL. 7.1, Table - 2
798.		Dimension- Width	IS 2095 (Part 1): 2023 CL. 7.1, Table-2
799.		Dimensions- Thickness	IS 2095 (Part 1): 2023 CL. 7.1, Table - 2
800.		Dimensions- Straightness of edge	IS 2095 (Part 1): 2023 CL. 7.1.2.1, Annex-A
801.		Dimensions- Squareness of edge	IS 2095 (Part 1): 2023 CL. 7.1.2.2, Annex - A
802.		Dimensions- Edge & Edge profiles	IS 2095 (Part 1): 2023 CL. 7.1.3
803.		Density	IS 2095 (P-1): 2023 CL 7.2 ANNEX C Table-4
804.		Flexural Breaking Load (Transverse Direction)	IS 2095 (P-1): 2023 CL. 7.3 ANNEX D Table-5
805.	Flexural Breaking Load (Longitudinal Direction)	IS 2095 (P-1): 2023 CL. 7.3 ANNEX D Table-5	
806.	Impact resistance	IS 2095 (P-1): 2023 CL. 7.4 ANNEX -E Table-6	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
807.	Gypsum Plaster Boards- Plain Gypsum Plaster Boards	Surface Hardness	IS 2095 (P-1): 2023 CL 7.5 ANNEX -F
808.		Loading Capability	IS 2095 (P-1): 2023 CL 7.6
809.		Water absorption	IS 2095 (P-1): 2023 CL 7.7 ANNEX -G Table-7
810.		Fire Resistance	IS 2095 (P-1): 2023 CL 7.8, IS/ISO 834 (P-8): 2002
811.		Finish	IS 2095 (P-1): 2023 CL 7.9
812.		Requirements for ECO Mark- Visual	IS 2095 (P-1): 2023 CL 9
813.		Packing and marking	IS 2095 (P-1): 2023 CL 10
814.		Materials	IS 2095 (Part 2): 2022 CL. 4, Table -1
815.		Gypsum Plaster	IS 2095 (Part 2): 2022 CL. 4.1, Table - 1
816.		Gypsum Plaster Boards- Coated/Laminated Gypsum Plaster Boards	Fibres
817.	Additives		IS 2095 (Part 2): 2022 CL. 4.3
818.	Laminating/Coating Material		IS 2095 (Part 2): 2022 CL. 4.4
819.	Manufacturing		IS 2095 (Part 2): 2022 CL. 5

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
820.	Gypsum Plaster Boards- Coated/Laminated Gypsum Plaster Boards	Requirements	IS 2095 (Part 2): 2022 CL. 6
821.		Dimensions- Length	IS 2095 (Part 2): 2022 CL. 6.1, Table-2
822.		Dimension- Width	IS 2095 (Part 2): 2022 CL. 6.1, Table - 2
823.		Dimensions- Thickness	IS 2095 (Part 2): 2022 CL. 6.1, Table-2
824.		Straightness of edge	IS 2095 (Part 2): 2022 CL. 6.1.2.1
825.		Squareness of edge	IS 2095 (Part 2): 2022 CL. 6.1.2.2
826.		Dimensions Edge & Edge profiles	IS 2095 (Part 2): 2022 CL. 6.1.3
827.		Density	IS 2095 (Part 2): 2022 CL. 6.2 Table-4/IS 2095 P-1 ANX-C
828.		Flexural Breaking Load (Transverse Direction)	IS 2095 (Part 2): 2022 CL. 6.3 Table-5/IS 2095 P-1 ANX- D
829.		Flexural Breaking Load (Longitudinal Direction)	IS 2095 (Part 2): 2022 CL. 6.3 Table-5/IS 2095 P-1 ANX- D
830.		Fire Resistance	IS 2095 (Part 2): 2022 CL. 6.4/ IS/ISO 834 (Part 8)
831.		Finish	IS 2095 (Part 2): 2022 CL. 6.5
832.		Requirements for ECO Mark- Visual	IS 2095 (Part 2): 2022 CL. 8

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
833.	Gypsum Plaster Boards-Coated/Laminated Gypsum Plaster Boards	Packing and marking	IS 2095 (Part 2): 2022 CL. 9
834.		BIS certification marking-Visual	IS 2095 (Part 2): 2022 CL. 10
835.		Materials	IS 2095 (Part 3): 2022 CL. 4, Table-1
836.		Method of manufacture	IS 2095 (Part 3): 2022 CL.5
837.		Dimension- Width	IS 2095 Part 3: 2022 CL. 6, Table -2
838.		Dimensions- Thickness	IS 2095 (Part 3): 2022 CL. 6, Table -2
839.		Dimensions- Length	IS 2095 (Part 3): 2022 CL. 6, Table -2
840.	Gypsum Plaster Boards-Reinforced Gypsum Plaster Boards and Ceiling Tiles	Straightness of edge	IS 2095 (Part 3): 2022 CL. 6.1.2.1
841.		Squareness of edge	IS 2095 (Part 3): 2022 CL. 6.1.2.2
842.		Dimensions Edge & Edge profiles	IS 2095 (Part 3): 2022 CL. 6.2.2
843.		Density	IS 2095 (Part 3): 2022 CL. 6.3, Table -4
844.		Flexural Breaking Load	IS 2095 (P-3): 2022 CL. 6.4, IS 2542 (P-2/Sec.-4): 1981
845.		Flexural Strength	IS 2095 (P-3): 2022 CL.6.4, IS 2542 (P-2/SEC-4): 1981
846.		Impact Strength	IS 2095 (P-3): 2022 CL. 6.5 IS 13360 (P-5/SEC-5): 2017

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
847.	Gypsum Plaster Boards-Reinforced Gypsum Plaster Boards and Ceiling Tiles	Water Absorption	IS 2095 (P-3): 2022 CL. 6.6, Table-6/ IS 2095 (P-1): 2022 ANNEX - G
848.		Jolting Test	IS 2095 (P-3): 2022 CL. 6.7, Annex- A
849.		Finish	IS 2095 (P-3): 2022 CL. 6.8
850.		Requirements for ECO-mark-visual	IS 2095 (P-3): 2022 CL.8
851.		Packing and marking	IS 2095 (P-3): 2022 CL.9
852.		BIS certification marking-visual	IS 2095 (P-3): 2022 CL.10
853.		Glass Fibre Reinforced Gypsum Panels	Raw materials
854.	Calcined Gypsum/Gypsum Plaster		IS 17400: 2021 CL. 5.1/ IS 12654: 1989
855.	Free moisture		IS 17400: 2021 CL. 5.1 Annex- A, Table- 1
856.	Combined water		IS 17400: 2021 CL. 5.1 Annex- A, Table- 1
857.	pH value		IS 17400: 2021 CL. 5.1 Table- 1
858.	Normal consistency		IS 17400: 2021 CL. 5.1 Table- 1/ IS 2542 (Part 1/Sec 2): 2023
859.	Bulk Density		IS 17400: 2021 CL. 5.1 Table- 1/ IS 2542 (Part 1/Sec 12): 2023

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
860.	Glass Fibre Reinforced Gypsum Panels	Compressive strength	IS 17400: 2021 CL. 5.1 Table- 1/ IS 2542 (Part 1/Sec 5): 2023
861.		Glass Fibre Rovings	IS 17400: 2021 CL. 5.2/ IS 11320: 2024
862.		Dia. of Glass Fibre Rovings	IS 17400: 2021 CL. 5.2/ IS 11320: 2024
863.		Breaking load of Glass Fibre Rovings	IS 17400: 2021 CL. 5.2/ IS 11320: 2024
864.		Thread density of Glass Fibre Rovings	IS 17400: 2021 CL. 5.2/ IS 11320: 2024
865.		Potable Water	IS 17400: 2021 CL. 5.3/ IS 456: 2000
866.		Manufacturing process	IS 17400: 2021 CL. 6
867.		Physical requirements	IS 17400: 2021 CL. 7
868.		General	IS 17400: 2021 CL. 7.1
869.		Visual Inspection, Dimension and Tolerance	IS 17400: 2021 CL. 7.2
870.		Visual Inspection	IS 17400: 2021 CL. 7.2.1
871.		Overall Length	IS 17400: 2021 CL. 7.2.2 Anx- B Table- 2
872.		Height	IS 17400: 2021 CL. 7.2.2 Anx- B Table- 2

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
873.	Glass Fibre Reinforced Gypsum Panels	Thickness	IS 17400: 2021 CL. 7.2.2 Anx- B Table- 2
874.		External Flange Thickness	IS 17400: 2021 CL. 7.2.2 Anx- B Table- 2
875.		Internal Rib Thickness	IS 17400: 2021 CL. 7.2.2 Anx- B Table- 2
876.		Cavity width	IS 17400: 2021 CL. 7.2.2 Anx- B Table- 2
877.		Cavity length	IS 17400: 2021 CL. 7.2.2 Anx- B Table- 2
878.		Straightness of edge	IS 17400: 2021 CL. 7.2.3
879.		Squareness of edge	IS 17400: 2021 CL. 7.2.3
880.		Water content	IS 17400: 2021 CL. 7.3 Annex C
881.		Panel mass	IS 17400: 2021 CL. 7.3
882.		Water absorption (After 1hrs)	IS 17400: 2021 CL. 7.3 Annex D
883.		Water absorption (After 24hrs)	IS 17400: 2021 CL. 7.3 Annex D
884.		Vertical Load bearing capacity	IS 17400: 2021 CL. 7.3 Annex E
885.		Out-of-plane moment capacity, Rib parallel to span (Muc)	IS 17400: 2021 CL. 7.3 Annex F

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	Building, Infrastructure & Construction Materials		
886.	Glass Fibre Reinforced Gypsum Panels	Capacity, Rib perpendicular to span (Mperp)	IS 17400: 2021 CL. 7.3 Annex F
887.		Moh's hardness	IS 17400: 2021 CL. 7.3/ IS 13630 (Part 13): 2019
888.		Fire resistance (structural adequacy/integrity/insulation)	IS 17400: 2021 CL. 7.3/ IS/ISO 834 (Part4):2002
889.		Glass Fibre content	IS 17400: 2021 CL. 7.3 Annex G
890.		Marking	IS 17400: 2021 CL.11
891.	Wood Particle Board/Board from other Lignocellulosic Materials	Preparation and conditioning of test specimens	IS 2380 (P-1): 1977
892.		Straightness	IS 2380 (P-2): 1977
893.		Squareness	IS 2380 (P-2): 1977
894.		Width	IS 2380 (P-2): 1977
895.		Length	IS 2380 (P-2): 1977
896.		Thickness	IS 2380 (P-2): 1977
897.		Dubbing	IS 2380 (P-2): 1977
898.		Moisture Content	IS 2380 (P-3): 1977

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	Building, Infrastructure & Construction Materials		
899.	Wood Particle Board/Board from other Lignocellulosic Materials	Density	IS 2380 (P-3): 1977
900.		Static Bending Strength Modulus of rupture	IS 2380 (P-4): 1977
901.		Static Bending Strength Modulus of Elasticity	IS 2380 (P-4): 1977
902.		Tensile Strength (Perpendicular to surface)	IS 2380 (P-5): 1977
903.		Tensile Strength (Parallel to surface)	IS 2380 (P-6): 1977
904.		Compression Strength (Perpendicular to surface)	IS 2380 (P-7): 1977
905.		Compression Strength (Parallel to surface)	IS 2380 (P-8): 1977
906.		Resistance to shear in plane of the board	IS 2380 (P-9): 1977
907.		Falling Hammer Impact test	IS 2380 (P-10): 1977
908.		Surface Hardness (Load)	IS 2380 (P-11): 1977
909.	Long time loading bending test	IS 2380 (P-13): 1977	
910.	Screw and Nail Withdrawal	IS 2380 (P-14): 1977	

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	Building, Infrastructure & Construction Materials		
911.	Wood Particle Board/Board from other Lignocellulose Materials	Lateral nail resistance	IS 2380 (P-15): 1977
912.		Water Absorption	IS 2380 (P-16): 1977
913.		Swelling in thickness after immersion in water	IS 2380 (P-17): 1977
914.		Changes in mass caused by moisture changes	IS 2380 (P-18): 1977
915.		Changes in Dimensions caused by moisture changes	IS 2380 (P-18): 1977
916.		Durability cyclic test for interior use	IS 2380 (P-19): 1977
917.		Planeness Test	IS 2380 (P-21): 1977
918.		Block Boards	Grade/ Type
919.	Block Boards	Materials -Timber	IS 1659: 2004 CL. 5.1 (Annex -B)
920.	Block Boards	Adhesive	IS 1659: 2004 CL. 5.2
921.	Block Boards	Preservative Treatment	IS 1659: 2004 CL 6.1/ IS: 401
922.	Block Boards	Core	IS 1659: 2004 CL. 6.2/ IS: 1141
923.	Block Boards	Cross bands & faces	IS 1659: 2004 CL 6.3/ IS 303 & IS 1328
924.	Block Boards	Dimensions (Thickness)	IS 1659: 2004 CL. 7.1 (ANNEX -D)

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	Building, Infrastructure & Construction Materials		
925.	Block Boards	Dimensions (Length)	IS 1659: 2004 CL 7.2
926.	Block Boards	Dimensions (Width)	IS 1659: 2004 CL 7.2
927.	Block Boards	Dimensions (Squareness)	IS 1659: 2004 CL. 7.3 (ANNEX -D)
928.	Block Boards	Dimensions-(Edge Straightness)	IS 1659: 2004 CL. 7.3 (ANNEX -D)
929.	Block Boards	Preparation and Conditioning of Test Pieces	IS 1659: 2004 CL. 9.1
930.	Block Boards	Dimensional changes caused by humidity - Change in local planeness	IS 1659: 2004 CL. 9.2.1 (ANNEX -E)
931.	Block Boards	Dimensional changes caused by humidity - Change in Length in % at 40 % RH	IS 1659: 2004 CL. 9.2.1 (ANNEX -E)
932.	Block Boards	Dimensional changes caused by humidity - Change in Length % at 90 % RH	IS 1659: 2004 CL. 9.2.1 (ANNEX -E)
933.	Block Boards	Dimensional changes caused by humidity - Change in thickness in % at 40 % RH	IS 1659: 2004 CL. 9.2.1 (ANNEX -E)
934.	Block Boards	Dimensional changes caused by humidity - Change in thickness in % at 90 % RH	IS 1659: 2004 CL. 9.2.1 (ANNEX -E)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
935.	Block Boards	Dimensional changes caused by humidity- Delamination	IS 1659: 2004 CL. 9.2.1 (ANNEX -E)
936.	Block Boards	Resistance to water (For MR grade)	IS 1659: 2004 CL. 9.2.2.2 (ANNEX -F)
937.	Block Boards	Resistance to water (For BWP grade)	IS 1659: 2004 CL. 9.2.2.1 (ANNEX -F)
938.	Block Boards	Adhesion of plies	IS 1659: 2004 CL. 9.2.3 (ANNEX -G)
939.	Block Boards	Mycological Test (For MR Grade only)	IS 1659: 2004 CL. 9.2.4 (ANNEX -H)
940.	Block Boards	Modulus of rupture (MOR)	IS 1659: 2004 CL. 9.2.5 (ANNEX -J)
941.	Block Boards	Modulus of elasticity (MOE)	IS 1659: 2004 CL. 9.2.5 (ANNEX -J)
942.	Block Boards	Spot test	IS 1659: 2004 CL. 9.2.6 (ANNEX -K)
943.	Medium Density Fibre Boards of Wood and Other Lignocellulosic	Classifications	IS 12406: 2025 CL. 4, 4.1, Table -1
944.		Formaldehyde classes	IS 12406: 2025 CL.4.2
945.		Materials-Wood and any other lignocellulosic material	IS 12406: 2025 CL.5,5.1
946.		Adhesive	IS 12406: 2025 CL.5.2
947.		Sizing material	IS 12406: 2025 CL.5.3
948.		Preservative treatment	IS 12406: 2025 CL.5.4

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
949.	Medium Density Fibre Boards of Wood and Other Lignocellulosic	Manufactures	IS 12406: 2025 CL.6
950.		Finish	IS 12406: 2025 CL.7
951.		Dimensions and tolerances	IS 124068: 2025 CL.8 Table-2
952.		Length	IS 12406: 2025 CL.8.1
953.		Width	IS 12406: 2025 CL.8.1
954.		Thickness	IS 12406: 2025 CL.8.2
955.		Squareness	IS 12406: 2025 CL. 8.3/ IS 2380 (Part 2); 1977
956.		Edge straightness	IS 12406: 2025 CL. 8.3/ IS 2380 (Part 2); 1977
957.		Requirements	IS 12406: 2025 CL. 9 Table – 3 to 8
958.		Density	IS 12406: 2025 CL. 9.1 Table – 3/ IS 2380 P-3: 1977
959.		Moisture content	IS 12406: 2025 CL. 9.1 Table – 3/ IS 2380 P-3: 1977
960.		Modulus of rupture (MOR)	IS 12406: 2025 CL. 9.1 Table – 4 to 7/ IS 2380 P-4: 1977
961.		Modulus of elasticity (MOE)	IS 12406: 2025 CL. 9.1 Table – 4 to 7/ IS 2380 P-4: 1977

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
962.	Medium Density Fibre Boards of Wood and Other Lignocellulosic	Internal bond strength	IS 12406: 2025 CL. 9.1 Table – 4 to 7/ IS 2380 P-5: 1977
963.		Swelling in thickness after immersion in water	IS 12406: 2025 CL. 9.1Table – 4 to 7/ IS 2380 P-17: 1977
964.		Screw withdrawal strength (face)	IS 12406: 2025 CL. 9.1 Table – 4 to 7/ IS 2380 P-14:1977
965.		Screw withdrawal strength (edge)	IS 12406: 2025 CL. 9.1 Table- 4 to 7/ IS 2380 P-14 :1977
966.		Moisture resistance: cyclic test-internal bond strength	IS 12406: 2025 CL. 9.1 Table – 5 to 7/ IS 2380 P-5:1977
967.		Moisture resistance: boil test-internal bond strength	IS 12406: 2025 CL. 9.1 Table – 5 to 7/ IS 2380 P-5:1977
968.		Formaldehyde content	IS 12406: 2025 CL. 9.1 Table – 8/IS 13745:2020
969.		Marking-visual	IS 12406: 2025 CL.11
970.		BIS- Certification Marking- visual	IS 12406: 2025 CL.11.2
971.		Prelaminated Medium Density Fibre Boards of Wood and Other Lignocellulosic Materials	Classifications
972.	Formaldehyde classes		IS 14587: 2025 CL.4.2
973.	Materials		IS 14587: 2025 CL.5,5.1,5.2,5.3
974.	Manufactures		IS 14587: 2025 CL.6

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
975.	Prelaminated Medium Density Fibre Boards of Wood and Other Lignocellulosic Materials	Finish	IS 14587: 2025 CL.7
976.		Dimensions and tolerances	IS 14587: 2025 CL.8 Table -2
977.		Length	IS 14587: 2025 CL.8.1
978.		Width	IS 14587: 2025 CL.8.1
979.		Thickness	IS 14587: 2025 CL.8.2
980.		Edge Squareness	IS 14587: 2025 CL. 8.3/ IS 2380 (Part 2): 1977
981.		Edge straightness	IS 14587: 2025 CL. 8.3/ IS 2380 (Part 2):1977
982.		Requirements	IS 14587: 2025 CL. 9 Table – 3 to 9
983.		Density	IS 14587: 2025 CL. 9.1 Table – 3/ IS 2380 P-3: 1977
984.		Moisture content	IS 14587: 2025 CL. 9.1 Table – 3/ IS 2380 P-3: 1977
985.		Modulus of rupture (MOR)	IS 14587: 2025 CL. 9.1 Table – 4 to 7/ IS 2380 P-4:1977
986.		Modulus of elasticity (MOE)	IS 14587: 2025 CL. 9.1 Table – 4 to 7/ IS 2380 P-4: 1977
987.		Internal bond strength	IS 14587: 2025 CL. 9.1 Table – 4 to 7/ IS 2380 P-5: 1977

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
988.	Prelaminated Medium Density Fibre Boards of Wood and Other Lignocellulosic Materials	Swelling in thickness after immersion in water	IS 14587: 2025 CL. 9.1 Table – 4 to 7/ IS 2380 P-17:1977
989.		Screw withdrawal strength (face)	IS 14587: 2025 CL. 9.1 Table – 4 to 7/ IS 2380 P-14:1977
990.		Screw withdrawal strength (edge)	IS 14587: 2025 CL. 9.1 Table – 4 to 7/ IS 2380 P-14:1977
991.		Moisture resistance: Cyclic test-internal bond strength	IS 14587: 2025 CL. 9.1 Table – 5 to 7/ IS 2380 P-5:1977
992.		Moisture resistance: Boil test-internal bond strength	IS 14587: 2025 CL. 9.1 Table – 5 to 7/ IS 2380 P-5:1977
993.		Abrasion resistance in number of revolutions	IS 14587: 2025 CL. 9.1 ANX- B/Table – 8
994.		Resistance to steam/water vapours	IS 14587: 2025 CL. 9.1 ANX- C/Table – 8
995.		Resistance to crack	IS 14587: 2025 CL. 9.1 ANX- D/Table – 8
996.		Resistance to a cigarette burn	IS 14587: 2025 CL. 9.1 ANX- E/Table – 8
997.		Resistance to stain	IS 14587: 2025 CL. 9.1 ANX- F/Table – 8
998.		Formaldehyde content	IS 14587: 2025 CL. 9.1 Table – 9/ IS 13745:2020
999.	Marking-visual	IS 14587: 2025 CL.11	

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	Building, Infrastructure & Construction Materials		
1000.	Prelaminated Medium Density Fibre Boards of Wood and Other Lignocellulosic Materials	BIS- Certification Marking- visual	IS 14587: 2025 CL.11.2
1001.	Veneered Medium Density Particle Boards from Wood and other Lignocellulosic Material	Classification & types	IS 3097: 2025 CL.4, 4.1 TABLE -1
1002.		Formaldehyde Classes	IS 3097: 2025 CL.4.2
1003.		Materials	IS 3097: 2025 CL.5
1004.		Manufacture	IS 3097: 2025 CL.6
1005.		Finish	IS 3097: 2025 CL.7
1006.		Dimensions- Length	IS 3097: 2025 CL.8/ Table- 2/ IS 2380 (Part 2):1977
1007.		Dimensions-width	IS 3097: 2025 CL.8/Table- 2/ IS 2380 (Part 2):1977
1008.		Dimensions-thickness	IS 3097: 2025 CL.8/ Table- 2/ IS 2380 (Part 2):1977
1009.		Squareness	IS 3097: 2025 CL.8/Table- 2/ IS 2380 (Part 2):1977
1010.		Edge Straightness	IS 3097: 2025 CL.8/Table- 2/ IS 2380 (Part 2):1977
1011.		Requirements	IS 3097: 2025 CL.9

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1012.	Veneered Medium Density Particle Boards from Wood and other Lignocellulosic Material	Density	IS 3097: 2025 CL.9.1/Table-3 / IS 2380 (Part 3):1977
1013.		Moisture content	IS 3097: 2025 CL.9.1/Table-3 / IS 2380 (Part 3):1977
1014.		Modulus of rupture (MOR)	IS 3097: 2025 CL.9.1/Table- 4,5,6,7/IS 2380 (Part 4):1977
1015.		Modulus of elasticity (MOE)	IS 3097: 2025 CL.9.1/Table- 4,5,6,7/IS 2380 (Part 4):1977
1016.		Internal bond strength	IS 3097: 2025 CL.9.1/ Table- 4,5,6,7/IS 2380 (Part 5):1977
1017.		Screw withdrawal strength (face)	IS 3097: 2025 CL.9.1/ Table- 4,5,6,7/IS 2380 (Part 14):1977
1018.		Screw withdrawal strength (edge)	IS 3097: 2025 CL.9.1/ Table- 4,5,6,7/IS 2380 (Part 14):1977
1019.		Swelling in thickness after immersion in water	IS 3097: 2025 CL.9.1/Table- 6,7/ IS 2380 (Part 17):1977
1020.		Moisture resistance: Cyclic test-internal bond strength	IS 3097: 2025 CL.9.1/Table- 6,7/IS 2380 (Part 5):1977
1021.		Moisture resistance: Boil test-internal bond strength	IS 3097: 2025 CL.9.1/Table- 6,7/IS 2380 (Part5):1977
1022.		Formaldehyde content	IS 3097: 2025 CL.9.4/Table-8/ IS 13745:2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1023.	Veneered Medium Density Particle Boards from Wood and other Lignocellulosic Material	Marking-visual	IS 3097: 2025 CL.11
1024.	Medium Density Particle Boards of Wood and other Lignocellulosic Materials for General Purpose	Classification	IS 3087: 2025 CL.4,4.1 table-1
1025.		Formaldehyde classes	IS 3087: 2025 CL.4.2
1026.		Materials	IS 3087: 2025 CL. 5
1027.		Wood and Any Other Lignocellulosic Material	IS 3087: 2025 CL.5.1
1028.		Adhesive	IS 3087: 2025 CL.5.2
1029.		Sizing Material	IS 3087: 2025 CL.5.3
1030.		Preservative	IS 3087: 2025 CL.5.4
1031.		Manufacture	IS 3087: 2025 CL.6
1032.		Finish	IS 3087: 2025 CL.7
1033.		Dimensions and tolerances	IS 3087: 2025 CL.8
1034.		Length	IS 3087: 2025 CL.8.1 table-2
1035.		Width	IS 3087: 2025 CL.8.1 table-2
1036.		Thickness	IS 3087: 2025 CL.8.2 table-2
1037.		Squareness	IS 3087: 2025 CL.8.3 table-2

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1038.	Medium Density Particle Boards of Wood and other Lignocellulosic Materials for General Purpose	Edge Straightness	IS 3087: 2025 CL.8.3 table-2
1039.		Requirements – Mechanical test	IS 3087: 2025 CL.9 Table 3to8
1040.		Density	IS 3087: 2025 Cl. 9.1 Table-3/ IS 2380 (Part-3):1977
1041.		Moisture content	IS 3087: 2025 Cl. 9.1 Table-3 / IS 2380 (Part-3) :1977
1042.		Internal bond strength	IS 3087: 2025 Cl. 9.1 Table-4 to 7 / IS 2380 (Part 5):1977
1043.		Modulus of rupture (MOR)	IS 3087: 2025 Cl. 9.1Table-4 to 7 / IS 2380 (Part 4):1977
1044.		Modulus of elasticity (MOE)	IS 3087: 2025 Cl. 9.1 Table-4 to7 / IS 2380 (Part 4):1977
1045.		Screw withdrawal strength (face)	IS 3087: 2025 CL. 9.1 Table – 4 to 7/ IS 2380 P-14:1977
1046.		Screw withdrawal strength (edge)	IS 3087: 2025 CL. 9.1 Table – 4 to 7/ IS 2380 P-14;1977
1047.		Swelling in thickness after immersion in water	IS 3087: 2025 CL. 9.1 Table – 6 & 7/ IS 2380 P-17:1977
1048.		Moisture resistance: cyclic test-internal bond strength	IS 3087: 2025 CL. 9.1 Table – 6 & 7/ IS 2380 P-5:1977
1049.		Moisture resistance: boil test-internal bond strength	IS 3087: 2025 CL. 9.1 Table – 6 & 7/ IS 2380 P-5:1977

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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Building, Infrastructure & Construction Materials			
1050.	Medium Density Particle Boards of Wood and other Lignocellulosic Materials for General Purpose	Formaldehyde content	IS 3087: 2025 CL. 9.1 Table – 8 / IS 13745:2020	
1051.		Marking-visual	IS 3087: 2025 CL.11	
1052.		Classifications	IS 12823: 2025 CL.4,4.1 Table-1	
1053.		Formaldehyde Classes	IS 12823: 2025 CL.4.2	
1054.		Materials	IS 12823: 2025 CL.5	
1055.		Medium Density Particle Board	IS 12823: 2025 CL.5.1	
1056.		Impregnated Base Paper	IS 12823: 2025 CL.5.2	
1057.		Impregnated Overlay	IS 12823: 2025 CL.5.3	
1058.		Manufacture	IS 12823: 2025 CL.6	
1059.		Finish	IS 12823: 2025 CL.7	
1060.		Prelaminated Medium Density Particle Boards from Wood and other Lignocellulosic Material	Dimensions and tolerances	IS 12823: 2025 CL.8
1061.			Length	IS 12823: 2025 CL.8.1 table-2
1062.			Width	IS 12823: 2025 CL.8.1 table-2
1063.			Thickness	IS 12823: 2025 CL.8.2 table-2
1064.			Squareness	IS 12823: 2025 CL.8.3 table-2
1065.	Edge Straightness	IS 12823: 2025 12 CL.8.4 table-2		

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1066.	Prelaminated Medium Density Particle Boards from Wood and other Lignocellulosic Material	Requirements – Mechanical test	IS 12823: 2025 CL.9 table-3 to 9
1067.		Density	IS 12823: 2025 Cl. 9.1 Table-3/ IS 2380 (Part-3):1977
1068.		Moisture content	IS 12823: 2025 Cl. 9.1 Table-3 / IS 2380 (Part-3) :1977
1069.		Internal bond strength	IS 12823: 2025 Cl. 9.1 Table-4 to 7 /IS 2380 (Part 5):1977
1070.		Modulus of rupture (MOR)	IS 12823: 2025 Cl. 9.1Table-4 to 7 /IS 2380 (Part 4);1977
1071.		Modulus of elasticity (MOE)	IS 12823: 2025 Cl. 9.1 Table-4 to7 /IS 2380 (Part 4):1977
1072.		Screw withdrawal strength (face)	IS 12823: 2025 CL. 9.1 Table – 4 to 7/ IS 2380 P-14:1977
1073.		Screw withdrawal strength (edge)	IS 12823: 2025 CL. 9.1 Table – 4 to 7/ IS 2380 P-14:1977
1074.		Swelling in thickness after immersion in water	IS 12823: 2025 CL. 9.1 Table – 6 & 7/ IS 2380 P-17;1977
1075.		Moisture resistance: cyclic test-internal bond strength	IS 12823: 2025 CL. 9.1 Table – 6 & 7/ IS 2380 P-5;1977
1076.		Moisture resistance: boil test-internal bond strength	IS 12823: 2025 CL. 9.1 Table – 6 & 7/ IS 2380 P-5:1977
1077.		Abrasion resistance in number of revolutions	IS 12823: 2025 CL. 9.1 ANX- B/Table – 8

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	Building, Infrastructure & Construction Materials		
1078.	Prelaminated Medium Density Particle Boards from Wood and other Lignocellulosic Material	Resistance to steam/water vapours	IS 12823: 2025 CL. 9.1 ANX- C/Table – 8
1079.		Resistance to crack	IS 12823: 2025 CL. 9.1 ANX- D/Table – 8
1080.		Resistance to a cigarette burn	IS 12823: 2025 CL. 9.1 ANX- E/Table – 8
1081.		Resistance to stain	IS 12823: 2025 CL. 9.1 ANX- F/Table – 8
1082.		Formaldehyde content	IS 12823: 2025 CL. 9.1 Table – 9 / IS 13745:2020
1083.		Marking-visual	IS 12823: 2025 CL. 11
1084.		Particle boards & fiber board	Swelling in thickness after immersion in water
1085.	Particle boards & fiber board	Tensile strength perpendicular to plane	BS EN 319: 1993
1086.	Wood Based Panels – Plywood, Board, Veneers	Dimensional change associates with change in relative humidity	BS EN 318: 2002
1087.		Cyclic test in humid conditions	BS EN 321: 1993
1088.		Moisture content	BS EN 322: 1993
1089.		Density	BS EN 323: 1993
1090.		Dimension -Length	BS EN 325: 1993

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1091.	Wood Based Panels – Plywood, Board, Veneers	Dimension of test pieces - Width	BS EN 325: 1993
1092.		Dimension of test pieces - Thickness	BS EN 325: 1993
1093.		Moisture content	ISO 16979: 2003
1094.		Modulus of elasticity in bending strength	ISO 16978: 2003
1095.		Tensile strength perpendicular to plane	ISO 16984: 2003
1096.		Swelling in thickness after immersion in water	ISO 16983: 2003
1097.		Moisture resistance under cyclic test conditions	ISO 16987: 2003
1098.		Moisture resistance – Boil test	ISO 16998: 2003
1099.		Dimensions of panel- thickness	ISO 9426: 2003
1100.		Dimensions of panel- length	ISO 9426: 2003
1101.		Dimensions of panel- width	ISO 9426: 2003
1102.		Dimensions of panel- squareness	ISO 9426: 2003
1103.		Dimensions of panel- edge straightness	ISO 9426: 2003

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	Building, Infrastructure & Construction Materials		
1104.	Wood Based Panels – Plywood, Board, Veneers	Dimensions of panel- flatness	ISO 9426: 2003
1105.		Dimension – length	BS EN 324-1: 1993
1106.		Dimension – Width	BS EN 324-1: 1993
1107.		Dimension – Thickness	BS EN 324-1: 1993
1108.		Dimension – Squareness	BS EN 324-2: 1993
1109.		Dimension – Edge Straightness	BS EN 324-2: 1993
1110.		Formaldehyde by chamber method	BS EN 717-1: 2004
1111.		Structural panel in flexure	ASTM D 3043: 2017
1112.		Structural panel in Shear through the thickness	ASTM D 2719: 2019
1113.		Tensile properties	ASTM D 3500: 2020
1114.		Plywood	Bonding quality – Shear Strength
1115.	Timber Door, Window & Ventilator Frames	Material- Timber	IS 4021: 1995 Cl. 4, 4.1 ANNEX-B/ IS 12896: 1990
1116.		Moisture Content	IS 4021: 1995 Cl. 4.1.1/ IS 287: 1993
1117.		Seasoning and Treatment	IS 4021: 1995 Cl. 4.1.3/ IS 1141: 1993

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1118.	Timber Door, Window & Ventilator Frames	Defects Prohibited	IS 4021: 1995 Cl. 4.1.4
1119.		Defects Permitted	IS 4021: 1995 Cl. 4.1.5/ Table -1
1120.		Construction and Workmanship	IS 4021: 1995 Cl. 5, 5.1
1121.		Joinery	IS 4021: 1995 Cl. 5.2
1122.		Gluing of Joints	IS 4021: 1995 Cl. 5.3/ IS 851: 1978/ IS 848 2025/ IS 852: 1994/ IS 4835: 1979
1123.		Fixing of frame	IS 4021: 1995 Cl. 5.4
1124.		Dimensions, sizes and tolerances	IS 4021: 1995 Cl. 6
1125.		Dimensions of Frames and Tolerances- width of frames	IS 4021: 1995 Cl. 6.1 TABLE-2
1126.		Width of frame Carrying one set of shutters	IS 4021: 1995 Cl. 6.1 TABLE-2
1127.		Width of frame Carrying two set of shutters	IS 4021: 1995 Cl. 6.1 TABLE-2
1128.		Thickness	IS 4021: 1995 Cl. 6.1 TABLE-2
1129.		Sizes and Types	IS 4021: 1995 Cl. 6.2
1130.		Designation	IS 4021: 1995 Cl. 6.3

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1131.	Timber Door, Window & Ventilator Frames	Location of holdfasts	IS 4021: 1995 Cl. 7
1132.		Finish	IS 4021: 1995 Cl. 8
1133.		Marking-visual	IS 4021: 1995 Cl. 10, 10.1
1134.		BIS certification marking-visual	IS 4021: 1995 Cl. 10.2
1135.	Flattened Bamboo Board	Materials	IS 17571: 2021 Cl. 4
1136.	Flattened Bamboo Board	Manufacture	IS 17571: 2021 Cl. 5
1137.	Flattened Bamboo Board	Flattened Bamboo	IS 17571: 2021 Cl. 5.1
1138.	Flattened Bamboo Board	Preservative Treatment	IS 17571: 2021 Cl. 5.2
1139.	Flattened Bamboo Board	Application of Adhesive	IS 17571: 2021 Cl. 5.3
1140.	Flattened Bamboo Board	Conditioning of Adhesive Coated Flattened Bamboos	IS 17571: 2021 Cl. 5.4
1141.	Flattened Bamboo Board	Assembly	IS 17571: 2021 Cl. 5.5
1142.	Flattened Bamboo Board	Hot Pressing	IS 17571: 2021 Cl. 5.6
1143.	Flattened Bamboo Board	Moisture Content	IS 17571: 2021 Cl. 5.7
1144.	Flattened Bamboo Board	Dimensions- length	IS 17571: 2021 Cl. 6, 6.1
1145.	Flattened Bamboo Board	Dimensions- width	IS 17571: 2021 Cl. 6, 6.1
1146.	Flattened Bamboo Board	Dimensions- thickness	IS 17571: 2021 Cl. 6.2

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1147.	Flattened Bamboo Board	Edge straightness	IS 17571: 2021 Cl. 6.3 ANX-A
1148.	Flattened Bamboo Board	Squareness	IS 17571: 2021 Cl. 6.3 ANX-A
1149.	Flattened Bamboo Board	Workmanship and finish	IS 17571: 2021 Cl. 7
1150.	Flattened Bamboo Board	Mechanical requirements	IS 17571: 2021 Cl. 8 Table-2
1151.	Flattened Bamboo Board	Density	IS 17571: 2021 Cl. 8.1 Table-2 / IS 1734 (Part 1): 1983
1152.	Flattened Bamboo Board	Moisture content	IS 17571: 2021 Cl. 8.1 Table-2/ IS 1734 (Part 1) :1973
1153.	Flattened Bamboo Board	Internal bond strength in dry state	IS 17571: 2021 Cl. 8.1 Table-2/ IS 2380 (Part5):1977
1154.	Flattened Bamboo Board	Internal bond strength in wet state	IS 17571: 2021 Cl. 8.1 Table-2 /IS 2380 (Part5):1977
1155.	Flattened Bamboo Board	Modulus of rupture	IS 17571: 2021 Cl. 8.1 Table-2 /IS 1734 (Part 11):1983
1156.	Flattened Bamboo Board	Modulus of elasticity	IS 17571: 2021 Cl. 8.1 Table-2 /IS 1734 (Part 11):1983
1157.	Flattened Bamboo Board	Tensile strength	IS 17571: 2021 Cl. 8.1 Table-2/IS 1734 (Part 9):1983
1158.	Flattened Bamboo Board	Compressive strength	IS 17571: 2021 Cl. 8.1 Table-2/IS 1734 (Part 10):1983
1159.	Flattened Bamboo Board	Resistance to ageing	IS 17571: 2021 Cl. 8.1 Table-2

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1160.	Flattened Bamboo Board	Resistance to Fire -Flammability	IS 17571: 2021 Cl. 8.1 Table-2 /IS 1734 P-3: 1983
1161.	Flattened Bamboo Board	Resistance to Fire –Flame Penetration	IS 17571: 2021 Cl. 8.1 Table-2 /IS 1734 P-3: 1983
1162.	Flattened Bamboo Board	Resistance to Fire – Rate of Burning	IS 17571: 2021 Cl. 8.1 Table-2 /IS 1734 P-3: 1983
1163.	Flattened Bamboo Board	Additional requirements for mark-visual	IS 17571: 2021 Cl. 10
1164.	Flattened Bamboo Board	Marking-visual	IS 17571: 2021 Cl. 11
1165.	BWP Grade Bamboo Mat Board	Materials	IS 17573: 2021 CL.4
1166.		Bamboo	IS 17573: 2021 CL.4.1
1167.		Adhesive	IS 17573: 2021 CL.4.2/ IS 848: 2025
1168.		Manufacture	IS 17573: 2021 CL.5
1169.		Bamboo Mats	IS 17573: 2021 CL.5.1
1170.		Prophylactic Treatment	IS 17573: 2021 CL.5.1.1/ IS 401: 2001 / IS 1902: 2006
1171.		Application of Adhesive	IS 17573: 2021 CL.5.2
1172.		Conditioning of Adhesive Coated Bamboo Mats	IS 17573: 2021 CL.5.3
1173.		Assembly	IS 17573: 2021 CL.5.4

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1174.	BWP Grade Bamboo Mat Board	Hot Pressing	IS 17573: 2021 CL.5.5
1175.		Preservative Treatment	IS 17573: 2021 CL.5.6
1176.		Moisture Content	IS 17573: 2021 CL.5.7
1177.		Dimensions- Length	IS 17573: 2021 CL.6
1178.		Dimensions- Width	IS 17573: 2021 CL.6
1179.		Dimensions- Thickness	IS 17573: 2021 CL.6
1180.		Edge straightness	IS 17573: 2021 CL.6 Anx-B
1181.		Squareness	IS 17573: 2021 CL.6/ Anx-B
1182.		Workmanship and finish	IS 17573: 2021 CL.7
1183.		Mechanical requirements	IS 17573: 2021 CL.8
1184.		Density	IS 17573: 2021 Cl. 8.1 Table-2 / IS 2380 (Part-3) ;1977
1185.		Moisture content	IS 17573: 2021 Cl. 8.1 Table-2/IS 2380 (Part-3) :1977
1186.		Internal bond strength in dry state	IS 17573: 2021 Cl. 8.1 Table-2 /IS 2380 (Part 5):1977
1187.		Internal bond strength in wet state	IS 17573: 2021 Cl. 8.1 Table-2/IS 2380 (Part 5):1977

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1188.	BWP Grade Bamboo Mat Board	Modulus of rupture	IS 17573: 2021 Cl. 8.1 Table-2/IS 2380 (Part 4):1977
1189.		Modulus of elasticity	IS 17573: 2021 Cl. 8.1 Table-2/IS 2380 (Part 4):1977
1190.		Tensile strength	IS 17573: 2021 Cl. 8.1 Table-2/IS 2380 (Part 6):1977
1191.		Compressive strength	IS 17573: 2021 Cl. 8.1 Table-2/IS 2380 (Part 8):1977
1192.		Resistance to ageing	IS 17573: 2021 Cl. 8.1 Table-2
1193.		Resistance to Fire -Flammability	IS 17573: 2021 Cl. 8.1 Table-2/IS 1734 P-3: 1983
1194.		Resistance to Fire –Flame Penetration	IS 17573: 2021 Cl. 8.1 Table-2/IS 1734 P-3: 1983
1195.		Resistance to Fire – Rate of Burning	IS 17573: 2021 Cl. 8.1 Table-2/IS 1734 P-3: 1983
1196.		Additional requirements for ECO-mark (visual)	IS 17573: 2021 Cl.10
1197.		Marking-visual	IS 17573: 2021 Cl. 11
1198.	Resin Treated Compressed Wood Laminates (Compregs)- For Electrical Purposes	Types	IS 3513 (Part-1) :1989 CL.4
1199.		Materials- Timber	IS 3513 (Part-1) :1989 CL.5,5.1
1200.		Synthetic Resins	IS 3513 (Part-1) :1989 CL.5.2/IS 848 :2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1201.	Resin Treated Compressed Wood Laminates (Compregs)- For Electrical Purposes	Solvents	IS 3513 (Part-1) :1989 CL.5.3/ IS 324: 1959
1202.		Manufacture	IS 3513 (Part-1) :1989 CL.6
1203.		Thickness of veneers	IS 3513 (Part-1) :1989 CL.6.3
1204.		Dimensions and tolerances	IS 3513 (Part-1) :1989 CL.7
1205.		Length	IS 3513 (Part-1) :1989 CL.7.1.1
1206.		Width	IS 3513 (Part-1) :1989 CL.7.1.1
1207.		Thickness	IS 3513 (Part-1) :1989 CL.7.1.2
1208.		Edge straightness	IS 3513 (Part-1) :1989 CL.7.1.2
1209.		Squareness	IS 3513 (Part-1) :1989 CL.7.1.2
1210.		Rods- Length	IS 3513 (Part-1) :1989 CL.7.2
1211.		Rods- Diameter	IS 3513 (Part-1) :1989 CL.7.2
1212.		Physical and Mechanical	IS 3513 (Part-1) :1989 CL.8, 8.1 Table-1
1213.		Specific gravity	IS 3513 (Part-1) :1989 CL.8.1 Table-1/ IS 1708 (Part 2): 1986
1214.		Moisture content	IS 3513 (Part-1) :1989 CL.8.1 Table-1/ IS 1708 (Part I): 1986

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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Building, Infrastructure & Construction Materials			
1215.	Resin Treated Compressed Wood Laminates (Compregs)- For Electrical Purposes	Water absorption at 27°C	IS 3513 (Part-1) :1989 CL.8.1 Table-1/IS 3513 (Part 4): 1966	
1216.		Sporadic working temperature	IS 3513 (Part-1) :1989 CL.8.1 Table-1/IS 3513 (Part 4): 1966	
1217.		Mechanical Properties	IS 3513 (Part-1) :1989 CL.8.3 TABLE 3	
1218.		Tensile strength	IS 3513 (Part-1) :1989 CL.8.3 Table-3/ IS 1734 P-9:1983	
1219.		Static bending strength	IS 3513 (Part-1) :1989 CL.8.3 Table-3/ IS 1998: 1962	
1220.		Compressive strength	IS 3513 (Part-1) :1989 CL.8.3 Table-3/ IS 1708 (P- 8 & 9): 1986	
1221.		Shear strength	IS 3513 (Part-1) :1989 CL.8.3 Table-3/ IS 1708 (P- 11); 1986	
1222.		Hardness- Rockwell	IS 3513 (Part-1) :1989 CL.8.3 Table-3/ IS 1586 P-1: 2025	
1223.		IMPact strength- Izod	IS 3513 (Part-1) :1989 CL.8.3 Table-3/ IS 1998; 1962	
1224.		Workmanship and Finish	IS 3513 (Part-1) :1989 CL.9	
1225.		Resin treated compressed wood laminates (Compregs)- for Chemical purposes	Types	IS 3513 (Part-2) :1989 CL.4
1226.			Materials- Timber	IS 3513 (Part-2) :1989 CL.5,5.1
1227.			Synthetic Resin	IS 3513 (Part-2) :1989 CL.5.2/ IS: 848: 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1228.	Resin treated compressed wood laminates (Compregs)- for Chemical purposes	Varnishes	IS 3513 (Part-2) :1989 CL.5.3/ IS 524: 2024 & IS 525: 1968
1229.		Manufacture	IS 3513 (Part-2) :1989 CL.6
1230.		Type of resins	IS 3513 (Part-2) :1989 CL.6.1
1231.		Resin content	IS 3513 (Part-2) :1989 CL.6.1
1232.		Thickness of veneers	IS 3513 (Part-2) :1989 CL.6.3
1233.		Dimensions and tolerances	IS 3513 (Part-2) :1989 CL.7, 7.1
1234.		Length	IS 3513 (Part-2) :1989 CL.7.1.1
1235.		Width	IS 3513 (Part-2) :1989 CL.7.1.1
1236.		Thickness	IS 3513 (Part-2) :1989 CL.7.1.2
1237.		Edge straightness	IS 3513 (Part-2) :1989 CL.7.1.2
1238.		Squareness	IS 3513 (Part-2) :1989 CL.7.1.2
1239.		Rod- Length	IS 3513 (Part-2) :1989 CL.7.2
1240.		Rod- Diameter	IS 3513 (Part-2) :1989 CL.7.2
1241.		Physical and Mechanical	IS 3513 (Part-2) :1989 CL.8
1242.		Specific gravity	IS 3513 (Part-2) :1989 CL.8.1 Table-1/ IS 1708 (Part 2): 1986

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1243.	Resin treated compressed wood laminates (Compregs)- for Chemical purposes	Moisture content	IS 3513 (Part-2) :1989 CL.8.1 Table-1/ IS 1708 (Part I): 1986
1244.		Water absorption at 27°C	IS 3513 (Part-2) :1989 CL.8.1 Table-1/IS 3513 (Part 4): 1966
1245.		Sporadic working temperature	IS 3513 (Part-2) :1989 CL.8.1 Table-1/ IS 3513 (Part 4): 1966
1246.		Tensile strength	IS 3513 (Part-2) :1989 CL.8.2 Table-2/ IS 1734 P-9: 1983
1247.		Static bending strength	IS 3513 (Part-2) :1989 CL.8.2 Table-2/ IS 1998: 1962
1248.		Compressive strength	IS 3513 (Part-2) :1989 CL.8.2 Table-2/ IS 1708 (P- 8 & 9): 1986
1249.		Shear strength	IS 3513 (Part-2) :1989 CL.8.2 Table-2/ IS 1708 (P- 11): 1986
1250.		Hardness- Rockwell	IS 3513 (Part-2) :1989 CL.8.2 Table-2/ IS 1586 P-1: 2025
1251.		Impact strength- Izod	IS 3513 (Part-2) :1989 CL.8.2 Table-2/ IS 1998; 1962
1252.		Impact strength after chemical treatment	IS 3513 (Part-2) :1989 CL.8.3 Table-3/ IS 1998; 1962
1253.		Static bending strength after chemical strength	IS 3513 (Part-2) :1989 CL.8.3 Table-3/ IS 1998; 1962
1254.		Compressive strength	IS 3513 (Part-2) :1989 CL.8.3 Table-3/ IS 1708 (P- 8 & 9): 1986

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	Building, Infrastructure & Construction Materials		
1255.	Resin treated compressed wood laminates (Compregs)- for Chemical purposes	Workmanship and Finish	IS 3513 (Part-2) :1989 CL.9
1256.	Resin Treated Compressed Wood Laminates (Compregs)- For General purposes	Grades and Types	IS 3513 (Part-3) :1989 CL.4,4.1,4.2
1257.		Materials- Timber	IS 3513 (Part-3) :1989 CL.5,5.1
1258.		Synthetic Resin	IS 3513 (Part-3) :1989 CL.5.2/ IS: 848 :2025
1259.		Varnishes	IS 3513 (Part-3) :1989 CL.5.3/ IS 524: 2024 & IS 525: 1968
1260.		Manufacture	IS 3513 (Part-3) :1989 CL.6
1261.		Thickness of veneers	IS 3513 (Part-3) :1989 CL.6.3
1262.		Dimensions and Tolerances	IS 3513 (Part-3) :1989 CL.7
1263.		Length	IS 3513 (Part-3) :1989 CL.7.1.1
1264.		Width	IS 3513 (Part-3) :1989 CL.7.1.1
1265.		Thickness	IS 3513 (Part-3) :1989 CL.7.1.2
1266.		Edge straightness	IS 3513 (Part-3) :1989 CL.7.1.2
1267.		Squareness	IS 3513 (Part-3) :1989 CL.7.1.2
1268.		Rod- Length	IS 3513 (Part-3) :1989 CL.7.2

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	Building, Infrastructure & Construction Materials		
1269.	Resin Treated Compressed Wood Laminates (Compregs)- For General purposes	Rod- Diameter	IS 3513 (Part-3) :1989 CL.7.2
1270.		Physical and Mechanical	IS 3513 (Part-3) :1989 CL.8
1271.		Specific gravity	IS 3513 (Part-3) :1989 CL.8.1 Table-1/ IS 1708 (Part 2): 1986
1272.		Moisture content	IS 3513 (Part-3) :1989 CL.8.1 Table-1/ IS 1708 (Part I): 1986
1273.		Tensile strength	IS 3513 (Part-3) :1989 CL.8.2 Table-2/ IS 1734 P-9; 1983
1274.		Static bending strength	IS 3513 (Part-3) :1989 CL.8.2 Table-2/ IS 1998: 1962
1275.		Compressive strength	IS 3513 (Part-3) :1989 CL.8.2Table-2/ IS 1708 (P- 8 & 9): 1986
1276.		Shear strength	IS 3513 (Part-3) :1989 CL.8.2 Table-2/ IS 1708 (P- 11):1986
1277.		Hardness- Rockwell	IS 3513 (Part-3) :1989 CL.8.2 Table-2/ IS 1586 P-1: 2025
1278.		Impact strength- Izod	IS 3513 (Part-3) :1989 CL.8.2 Table-2/ IS 1998; 1962
1279.		Impact strength after chemical treatment	IS 3513 (Part-3) :1989 CL.8.3 Table-3/ IS 1998; 1962
1280.		Static bending strength after chemical strength	IS 3513 (Part-3) :1989 CL.8.3 Table-3/ IS 1998; 1962

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1281.	Resin Treated Compressed Wood Laminates (Compregs)- For General purposes	Compressive strength	IS 3513 (Part-3) :1989 CL.8.3 Table-3/ IS 1708 (P- 8 & 9): 1986
1282.		Workmanship and Finish	IS 3513 (Part-3) :1989 CL.9
1283.	Cement Bonded Particle Boards	Materials	IS 14276 : 2016 CL. 4
1284.		Manufacture	IS 14276 : 2016 CL. 5
1285.		Finish	IS 14276 : 2016 CL. 6
1286.		Dimensions & Tolerance	IS 14276 : 2016 CL.7/ CL.7.3
1287.		Dimensions- Length	IS 14276 : 2016 CL. 7.1 CL. 10.2/ IS 2380 (Part-2)
1288.		Dimensions- Width	IS 14276 : 2016 CL. 7.1 CL. 10.2/ IS 2380 (Part-2)
1289.		Dimensions- Thickness	IS 14276 : 2016 CL. 7.2
1290.		Straightness of edges	IS 14276 : 2016 CL. 7.3, 10.2/ IS 2380 (Part-2)
1291.		Squareness of edges	IS 14276 : 2016 CL.7.3, CL 10.2/ IS 2380 (Part-2)
1292.		Density	IS 14276 : 2016 CL. 8.1 CL. 10.3/ IS 2380 (Part-3) Table-3
1293.		Moisture Content	IS 14276 : 2016 CL. 8.2 CL 10.4

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1294.	Cement Bonded Particle Boards	Water Absorption (2hrs)	IS 14276 : 2016 CL. 8.3 CL 10.5/ IS 2380 (Part 16) Table-1
1295.		Water Absorption (24hrs)	IS 14276 : 2016 CL. 8.3 CL 10.5/ IS 2380 (Part 16) Table-1
1296.		Swelling in Water (Thickness)	IS 14276 : 2016 CL.8.4 CL. 10.6/ IS 2380 (Part 17) Table-1
1297.		Swelling in Water (Length)	IS 14276 : 2016 CL.8.4 CL. 10.6/ IS 2380 (Part 17) Table-1
1298.		Swelling in Water (Width)	IS 14276 : 2016 CL.8.4 CL. 10.6/ IS 2380 (Part 17) Table-1
1299.		Workability	IS 14276 : 2016 CL. 8.5
1300.		Sampling & Inspection	IS 14276 : 2016 CL.9 CL. 9.1
1301.		Test Specimens and Number of Tests	IS 14276 : 2016 CL. 9.2
1302.		Criteria for Conformity	IS 14276 : 2016 CL. 9.3
1303.		Modulus of Rupture (MOR) (Dry & Wet)	IS 14276 : 2016 CL. 10.7/ IS 2380 (Part 4) Table-1
1304.		Modulus of Elasticity (MOE) (Dry & Wet)	IS 14276 : 2016 CL. 10.8/ IS 2380 (Part 4) Table-1
1305.		Tensile Strength Perpendicular to surface (Dry)	IS 14276 : 2016 CL. 10.9/ IS 2380 (Part 5) Table-1

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1306.	Cement Bonded Particle Boards	Tensile Strength Perpendicular to surface (ageing)	IS 14276 : 2016 CL. 10.9/ IS 2380 (Part 5) Table-1
1307.		Screw Withdrawal Strength (face)	IS 14276 : 2016 CL. 10.10/ IS 2380 (Part 14) Table-1
1308.		Screw Withdrawal Strength (Edge)	IS 14276 : 2016 CL. 10.10/ IS 2380 (Part 14) Table-1
1309.		Marking- Visual	IS 14276 : 2016 CL. 11
1310.	Fibre Cement Sheet - Lightweight Concrete Sandwich Panels	Construction, Dimensions and Tolerances	IS 17908 : 2023 CL.3
1311.		Material	IS 17908 : 2023 CL.4
1312.		Manufacture	IS 17908 : 2023 CL.5
1313.		Physical Requirements	IS 17908 : 2023 CL.6, 6.1
1314.		Dimensions - Length	IS 17908 : 2023 CL.6.2 Table- 1 & 2
1315.		Dimensions - Width	IS 17908 : 2023 CL.6.2 Table- 1 & 2
1316.		Dimensions - Thickness	IS 17908 : 2023 CL.6.2 Table- 1 & 2
1317.		Edge- Recessed Edge/ Square Edge	IS 17908 : 2023 CL.6.2 Table- 1
1318.		Density	IS 17908 : 2023 Annex- B, CL.6.3

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1319.	Fibre Cement Sheet - Lightweight Concrete Sandwich Panels	Bending Strength	IS 17908 : 2023 Annex- C, CL.6.4 Table- 3
1320.		Impact Test	IS 17908 : 2023 CL.6.5 Annex-E Table - 5
1321.		Axial Compression Load	IS 17908 : 2023 Annex -F CL.6.6.1
1322.		Tensile Strength perpendicular to surface	IS 17908 : 2023 CL.6.6.2/ IS 2380 (Part 5)
1323.		Screw Withdrawal Strength	IS 17908 : 2023 CL.6.6.3 IS 2380 (Part- 14)
1324.		Sound Transmission	IS 17908 : 2023 CL.6.6.4/ IS 9901 Part-3
1325.		Thermal Conductivity	IS 17908 : 2023 CL.6.6.5/IS 3346.
1326.		Fire Rating	IS 17908 : 2023 CL.6.6.6/IS/ISO 834 Part-8
1327.		Marking - Visual	IS 17908 : 2023 CL.10
1328.		BIS Certification Marking	IS 17908 : 2023 CL.11
1329.		Fibre Cement Flat Sheets	3 General Composition
1330.	Fibre Cement Flat Sheets	Classification	IS 14862 : 2000 CL.4
1331.	Fibre Cement Flat Sheets	Acceptance Characteristics	IS 14862 : 2000 CL.5
1332.	Fibre Cement Flat Sheets	Nominal Length	IS 14862 : 2000 Annex B CL.5.1.1

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1333.	Fibre Cement Flat Sheets	Nominal Width	IS 14862 : 2000 Annex B CL.5.1.1
1334.	Fibre Cement Flat Sheets	Thickness	IS 14862 : 2000 Annex B CL.5.1.2
1335.	Fibre Cement Flat Sheets	Straightness of edges	IS 14862 : 2000 Annex B CL.5.1.4.1
1336.	Fibre Cement Flat Sheets	Squareness of edges	IS 14862 : 2000 Annex B CL.5.1.4.2
1337.	Fibre Cement Flat Sheets	Mechanical and Physical Characteristics	IS 14862 : 2000 CL.5.2
1338.	Fibre Cement Flat Sheets	Apparent Density	IS 14862 : 2000 Annex C CL.5.2.2
1339.	Fibre Cement Flat Sheets	Bending Strength (MOR)	IS 14862 : 2000 Annex D CL.6.1
1340.	Fibre Cement Flat Sheets	Water Impermeability	IS 14862 : 2000 Annex E CL.6.2
1341.	Fibre Cement Flat Sheets	Frost Resistance	IS 14862 : 2000 Annex F CL.6.3
1342.	Fibre Cement Flat Sheets	Warm Water	IS 14862 : 2000 Annex G CL.6.4
1343.	Fibre Cement Flat Sheets	Soak-Dry	IS 14862 : 2000 Annex H CL.6.5
1344.	Fibre Cement Flat Sheets	Heat-Rain	IS 14862 : 2000 Annex J CL.6.6
1345.	Fibre Cement Flat Sheets	Marking	IS 14862 : 2000 CL.10
1346.	PVC Geomembrane	Material	IS 15909:2020 Cl-3.1
1347.	PVC Geomembrane	Length	IS 15909: 2020 Annex-A
1348.	PVC Geomembrane	Width	IS 15909: 2020 Annex-A

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1349.	PVC Geomembrane	Thickness	IS 3464: 1986
1350.	PVC Geomembrane	Specific gravity	IS 2076 : 1981 (Appendix-A, Method -A)
1351.	PVC Geomembrane	Tensile strength	IS 2076 : 1981 (Appendix-B)
1352.	PVC Geomembrane	Elongation at break	IS 2076 : 1981 (Appendix-B)
1353.	PVC Geomembrane	Tear resistance	IS 15909: 2020 Annex-B
1354.	PVC Geomembrane	Index puncture resistance	IS 15909: 2020 Annex-C
1355.	PVC Geomembrane	Low temperature crack resistance	IS 15909: 2020 Annex-D
1356.	PVC Geomembrane	Hydrostatic resistance	IS 15909: 2020 Annex-E
1357.	PVC Geomembrane	Seam strength	IS 15909: 2020 Annex-F
1358.	PVC Geomembrane	Volatile loss	IS 3464:1986 clause 7
1359.	PVC Geomembrane	Peel strength	IS 3464 : 1986clause 12
1360.	PVC Geomembrane	Resistance to soil burial - change in tensile	IS 15909: 2020 Annex-G
1361.	PVC Geomembrane	Resistance to soil burial - change in elongation	IS 15909: 2020 Annex-G
1362.	PVC Geomembrane	Water extraction (loss in weight)	IS 15909: 2020 Annex-H

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1363.	PVC Geomembrane	Colour, Surface Characteristic & freedom from defects	IS 15909: 2020 Annex- K
1364.	PVC Geomembrane	Thickness at 20 kPa	IS 13162 PT-3 :2021/ ISO 9863-1:2016
1365.	PVC Geomembrane	Tensile strength	IS 15909:2020 Annex-L
1366.	PVC Geomembrane	Elongation At break	IS 15909:2020 Annex-L
1367.	PVC Geomembrane	Tear Propagation strength	IS 15909:2020 Annex-M
1368.	PVC Geomembrane	Behaviour during perforation (static puncture CBR -test)	IS 16078:2013/ ISO 12236:2006
1369.	PVC Geomembrane	Height of fall without perforation (impact resistance)	IS 15909:2020 Annex-N
1370.	PVC Geomembrane	Cold crack resistance at low temperature minus 35°C	IS 15909:2020 Annex-D
1371.	PVC Geomembrane	Hydrostatic Resistance	IS 15909:2020 Annex-P
1372.	PVC Geomembrane	Dimensional stability at 80°C for 6 hrs.	IS 15909:2020 Annex-Q
1373.	PVC Geomembrane	Change of Dimension after heating at 70°C for 2 hrs.	IS 15909:2020 Annex-R
1374.	PVC Geomembrane	Behaviour after storage in aqueous solution, resistance to acid & alkali after 28 days	IS 15909:2020 Annex-S

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1375.	PVC Geomembrane	Strength of welded seam shear resistance	IS 15909:2020 Annex-T
1376.	PVC Geomembrane	Resistance to static puncturing	IS 15909:2020 Annex-U
1377.	PVC Geomembrane	Flammability test, Horizontal rate of burning	IS 15061:2002 Annex -A
1378.	PVC Geomembrane	Flammability test, Vertical rate of burning	IS 15061;2002 Annex -B
1379.	HDPE Geomembrane	Material	IS 16352:2020 Clause 3.1
1380.	HDPE Geomembrane	Length	IS 7016 PART -1 SEC. -1 :2022
1381.	HDPE Geomembrane	Width	IS 7016 PART -1 SEC. -1 :2022
1382.	HDPE Geomembrane	Average thickness at a pressure of 2 ± 0.01 kPa	IS 13162 P-3: 2021 Method -A / ISO 9863-1: 2016
1383.	HDPE Geomembrane	Tensile properties (Breaking strength)	IS 16352 : 2020Annex-B
1384.	HDPE Geomembrane	Elongation properties (Breaking elongation)	IS 16352 : 2020Annex-B
1385.	HDPE Geomembrane	Average asperity height	IS 16352 : 2020 Annex-L
1386.	HDPE Geomembrane	Tear resistance	IS 16352 : 2020Annex-C
1387.	HDPE Geomembrane	Puncture resistance	IS 16352: 2020 Annex-D

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1388.	HDPE Geomembrane	Low temperature crack resistance at minus 30 °C \pm 1 °C	IS 16352 : 2020Annex-E
1389.	HDPE Geomembrane	Hydrostatic Resistance upto 20 kg/cm ²	IS 16352 : 2020Annex-F
1390.	HDPE Geomembrane	Seam strength	IS 16352 : 2020 Annex-G
1391.	HDPE Geomembrane	Carbon black content	IS 2530: 1963
1392.	HDPE Geomembrane	Carbon Black Dispersion	IS 2530 : 1963
1393.	HDPE Geomembrane	Retention of Breaking Strength after UV exposure of 144 hrs	IS 16352:2020 Annex-H
1394.	HDPE Geomembrane	Colour, Surface Characteristic & freedom from defects	IS 16352 : 2020 Annex-M
1395.	PVC Pipe/Thermoplastics Pipes/DWC Pipe/ SWR Pipe	Wall thickness	IS 12235(P-1) : 2004
1396.		Outside diameter at any point	IS 12235(P-1) : 2004
1397.		Mean outside diameter	IS 12235(P-1) : 2004
1398.		Effective length	IS 12235(P-1) : 2004
1399.		Dimension of socket	IS 12235(P-1) : 2004
1400.		Density	IS 12235(P-14) : 2004
1401.		PP/HDPE PIPE	Length

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1402.	PP/HDPE PIPE	Diameter	IS 4984: 2016
1403.	PP/HDPE PIPE	Wall Thickness	IS 4984: 2016
1404.	PP/HDPE PIPE	Ovality	IS 4984: 2016
1405.	CPVC /UPVC Fittings	Wall Thickness	IS 12235(P-1) : 2004
1406.	CPVC /UPVC fittings	Depth/length	IS 12235(P-1) : 2004
1407.	CPVC /UPVC Fittings	Outside Diameter	IS 12235(P-1) : 2004
1408.	CPVC /UPVC Fittings	Visual Appearance test	IS 14735: 1999
1409.	CPVC/UPVC PIPE/ Thermoplastics Pipes and fittings	Length of pipe	IS 12235(P-1) : 2004
1410.		Dimension of socket (thickness)	IS 12235(P-1) : 2004
1411.		Visual appearance & pipe ends	IS 13592: 2013/ 15778: 2008
1412.		Tensile strength	IS 12235(P-13) : 2004
1413.		Mean outside diameter and diameter at any point	IS 12235(P-1) : 2004
1414.		Wall Thickness	IS 12235(P-1): 2004
1415.		Flattening Test	IS 12235: 2004 (P-19)
1416.		Flexible sheet for water proofing	Tensile strength

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1417.	Flexible sheet for water proofing	Elongation	BSEN 12311-2
1418.	Flexible Plastic & rubber sheet	Thickness	BS EN 1849-2
1419.	Flexible Plastic & rubber sheet	Mass per unit area (GSM)	BS EN 1849-2
1420.	Flexible sheet for waterproofing	Tear resistance	BS EN 12310-2
1421.		Water vapour permeability	ASTM E 96
1422.	Adhesive bonded material	Lap adhesion / Peel Resistance of Adhesives (T-Peel Test)	ASTM D 1876
1423.	Bituminous Roofing Membranes	Tensile - Tear resistance	ASTM D 4073
1424.	Bonded mineral wool / thermal insulation material	Determination to oil	IS 3144 : 2024 CL. 20
1425.		Organic matter	IS 3144 : 2024 CL. 27
1426.		Loss on ignition	IS 1527: 1972
1427.		Length	IS 3144 : 2024 CL. 6
1428.		Width	IS 3144 : 2024CL. 6
1429.		Thickness	IS 3144 : 2024CL. 7
1430.		Thermal conductivity	ASTM C 177

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1431.	Bonded mineral wool / thermal insulation material	Thermal conductivity	IS 3346 : 1980
1432.		Bulk density	IS 3144 : 2024
1433.		Determination of moisture absorption	IS 3144 : 2024
1434.		Determination of recovery after compression	IS 8183: 2024 CL.4.3Annex. -A
1435.		Dimension (Thickness)	ASTM C 303
1436.		Dimension (Width)	ASTM C 303
1437.		Dimension (Length)	ASTM C 303

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
1.	Reinforcement Steel	Tensile Strength	IS 1608 (P-1) : 2022
2.	Reinforcement Steel	Elongation	IS 1608 (P-1) : 2022
3.	Reinforcement Steel	Yield stress	IS 1608 (P-1) : 2022
4.	Reinforcement Steel	TS/YS Ratio	IS 1786:2008
5.	Reinforcement Steel	Bend Test	IS 1786:2008
6.	Reinforcement Steel	Re-bend Test	IS 1786:2008
7.	Reinforcement Steel	Mass/meter	IS 1786:2008
8.	Seven Ply Strand for pre-stressed Concrete (H.T.S. Wire)	Mass of strand	IS 14268:2022
9.	Coupler	Tensile Strength	IS 1608 (P-1) : 2022
10.	Ferrous Materials, Alloys & Products	Nut – Proof Load	IS 1367(Part6):2025
11.		Vicker Hardness (HV30)	IS1501(P-1) : 2020
12.		Bend Test	IS 1599 : 2023
13.		Bend Test	API 1104:2022
14.		Bend Test	IS 277 : 2018
15.		Bend Test	BS EN ISO 5173:2023
16.		Bend Test	ASTM A 370:2025

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
17.	Ferrous Materials, Alloys & Products	Bend Test	ASME Section IX:2025
18.		Elongation	ASTM A 370:2025
19.		Elongation	ASME SEC 2 C:2025
20.		Flaring test (Drift expending test)	IS 2335:2005
21.		Impact Charpy (v)(ambient 196°C)	IS 1757(P-1):2020
22.		Macro Examination	ASME Sec IX:2025
23.		Macro Examination	IS12037: 2023
24.		Macro Examination	IS7307(Part1): 1974
25.		Macro Examination	IS11371: 2022
26.		Macro Examination	IS7310(Part1):2019
27.		Of set Proof Stress (0.2%, 0.5%)	IS1608(Part1): 2022
28.		Rockwell Hardness Number (C Scale)	IS1586(P-1):2018
29.		Vicker Hardness (HV10)	ASTME92:2023
30.		Vicker Hardness (HV5)	ASTME92:2023
31.	Vicker Hardness (HV10)	BSENISO9015-1:2011	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
32.	Ferrous Materials, Alloys & Products	Vicker Hardness (HV10)	ASTME384:2022
33.		Vicker Hardness (HV10)	IS1501(P-1) : 2020
34.		Vicker Hardness (HV30)	ASTME92:2017
35.		Vicker Hardness (HV5)	ASTME384:2023
36.		Vicker Hardness (HV30)	ASTME384:2023
37.		Vicker Hardness (HV5)	BS EN ISO 9015-1:2011
38.		Yield Stress	ASTM A 370:2024
39.		Yield Stress	IS 1608 (P-1) :2022
40.		VickerHardness-HV05	IS 1501(P-1) : 2020
41.		Elongation	IS 1608 (P-1) :2022
42.		Rockwell Hardness Number (B Scale)	ASTM E 18:2022
43.		Rockwell Hardness Number (C Scale)	ASTM E 18:2022
44.		Rockwell Hardness Number (B Scale)	IS 1586 Part1:2025
45.		Brinell Hardness Test	IS 1500 (P-1) : 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
46.	Ferrous Materials, Alloys & Products	Tensile Strength	IS 1608 (P-1) :2022
47.	Metallic materials Tube	Flattening test	IS 2328:2018
48.	Metallic materials Tube	Flattening test	ASTM A530/530 M:2020
49.	Hot Rolled Medium and High Tensile Structural Steel	Freedom From Defect	IS 2062:2011
50.		Y-Groove Crack ability (Grade E250 C, >12 mm)	IS 10842(P-1)2019
51.		Thickness	IS 2062:2011
52.		Width	IS 2062:2011
53.		Depth	IS 2062:2011
54.		Calculation Of Mass	IS 2062:2011
55.		Steel Tubes, Tubulars and Other Wrought Steel Fittings	Mass
56.	Height of Internal Weld Fin		IS 1239 (P-1) 2004
57.	Outside diameter		IS 1239 (P-1) 2004
58.	Thickness		IS 1239 (P-1) 2004
59.	Bend Test		2329 - 2005
60.	Workmanship		IS 1239 (P-1) 2004

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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Mechanical Properties of Metals			
61.	Steel Tubes, Tubulars and Other Wrought Steel Fittings	Protection And Packing	IS 1239 (P-1) 2004	
62.		Leak Proof Test	IS 1239 (P-1) 2004	
63.	Hollow steel sections for structural use	Thickness	IS 4923 : 2017	
64.		Depth	IS 4923 : 2017	
65.		width	IS 4923 : 2017	
66.		Weight	IS 4923 : 2017	
67.		Concavity/Convexity	IS 4923 : 2017	
68.		Squatness of Corner (at 90° Angle)	IS 4923 : 2017	
69.		External Corner Radius	IS 4923 : 2017	
70.		Straightness	IS 4923 : 2017	
71.		Twist	IS 4923 : 2017	
72.		Oiling And Painting	IS 4923 : 2017	
73.		Height of the Internal Weld Fin	IS 4923 : 2017	
74.		Hot Dip Aluminium-Zinc Alloy Metallic Coated Steel Strip and Sheet (Plain)	Coating Adhesion Test	IS 15961: 2012
75.			Freedom From Defects	IS 15961: 2012
76.	Mass		IS 15961: 2012	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
77.	Hot Dip Aluminium-Zinc Alloy Metallic Coated Steel Strip and Sheet (Plain)	Length	IS 15961: 2012
78.		width	IS 15961: 2012
79.		Thickness	IS 15961: 2012
80.		Camber	IS 15961: 2012
81.		Deviation from squareness	IS 15961: 2012
82.		Deviation from flatness	IS 15961: 2012
83.		Galvanized Steel Strips and Sheets (Plain & Corrugated)	Freedom From Defects
84.	Mass		IS 277 : 2018
85.	Thickness		IS 277 : 2018
86.	Width		IS 277 : 2018
87.	Length		IS 277 : 2018
88.	Depth and Pitch of The Corrugations		IS 277 : 2018
89.	Number Of Corrugations		IS 277 : 2018
90.	Galvanized Steel Strips and Sheets (Cable Tray)	Depth	IS 277 : 2018
91.		Width	IS 277 : 2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
92.	Galvanized Steel Strips and Sheets (Cable Tray)	Thickness	IS 277 : 2018
93.	Mild Steel Wire for General Engineering Purposes	Diameter	IS 280 : 2006
94.		Wrapping Test	IS 1755 : 2018
95.		Freedom From Defect	IS 280 : 2006
96.		Bend Test	IS 280 : 2006
97.		Freedom From Defect	IS 1161 : 2014
98.	Steel Tubes for Structural Purposes	Outer diameter	IS 1161 : 2014
99.		Thickness	IS 1161 : 2014
100.		Weight	IS 1161 : 2014
101.		Workmanship	IS 1161 : 2014
102.		Straightness	IS 1161 : 2014
103.		Bend Test	IS 2329 : 2005
104.		Oil & Painting	IS 1161 : 2014
105.	Carbon steel cast billet ingots, billets, blooms and slabs for re-rolling into steel for general structural purposes	Bend Test	IS 2830 : 2012
106.		Camber	IS 2830 : 2012
107.		Width	IS 2830 : 2012

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
108.	Carbon steel cast billet ingots, billets, blooms and slabs for re-rolling into steel for general structural purposes	Freedom From Defect	IS 2830 : 2012
109.	Carbon Steel Cast Billet Ingots, Billets, Blooms and Slabs For Re-rolling into Structural Steel	Width	IS 2831: 2012
110.		Freedom From Defect	IS 2831: 2012
111.	Steel Pipes for Water and Sewage (168.3 to 2 540 mm Outside Diameter)	Guided Bend Test	IS 3589 : 2001
112.		Outside diameter	IS 3589 : 2001
113.		Thickness	IS 3589 : 2001
114.		Mass	IS 3589 : 2001
115.		Ovality	IS 3589 : 2001
116.		Visually Inspection	IS 3589 : 2001
117.		Straightness	IS 3589 : 2001
118.		Height of Weld Bead	IS 3589 : 2001
119.		Hydraulic Pressure Test	IS 3589 : 2001
120.	Copper Alloy Gate, Globe and Check Valves for Waterworks Purposes	Thickness	IS 778 : 1984
121.		Diameter	IS 778 : 1984

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
122.	Cast Copper Alloy Screw Down Bib Taps and Stop Valves for Water Services	Diameter	IS 781 : 1984
123.		Length	IS 781 : 1984
124.	Metallic Materials	Corrosion Test	IS 5528 : 2024
125.	Water Fittings - Copper Alloy Float Valves (Horizontal Plunger Type)	Thickness	IS 1703 : 2000
126.	Water Fittings - Copper Alloy Float Valves (Horizontal Plunger Type)	Length	IS 1703 : 2000
127.	Sand Cast Iron Spigot and Socket Pipes, Fittings And Accessories	Thickness	IS 1729 : 2023
128.		Length	IS 1729 : 2023
129.		Hammer Test	IS 1729 : 2023
130.		Leakage Test	IS 1729 : 2023
131.		Mass	IS 1729 : 2023
132.		Coating Test	IS 1729 : 2023
133.		Swing Check Type Reflux (Non-Return) Valves for Water Works Purposes	Thickness
134.	Length		IS 5312 (Part 1) : 2004
135.	Hydrostatic Test		IS 5312 (Part 1) : 2004

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
136.	Landing Valves	Thickness	IS 5290 : 2025
137.	Landing Valves	Length	IS 5290 : 2025
138.	Landing Valves	Diameter	IS 5290 : 2025
139.	Landing Valves	Hydrostatic Test	IS 5290 : 2025
140.	ACP Sheet	Tensile Strength	ASTM E8 : 2022
141.	ACP Sheet	Yield Stress	ASTM E8 : 2022
142.	ACP Sheet	Elongation	ASTM E8 : 2022
143.	ACP Sheet	Thickness	ASTM E8 : 2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood & Wood Products		
1.	Small Clear Specimens of Timber	Density	IS 1708 (Part 1): 1986
2.	Small Clear Specimens of Timber	Moisture content	IS 1708 (Part 1): 1986
3.	Small Clear Specimens of Timber	Specific gravity	IS 1708 (Part 2): 1986
4.	Small Clear Specimens of Timber	Static bending strength	IS 1708 (Part 5): 1986
5.	Small Clear Specimens of Timber	Compressive strength parallel to grain	IS 1708 (Part 8): 1986
6.	Small Clear Specimens of Timber	Compressive strength perpendicular to grain	IS 1708 (Part 9): 1986
7.	Small Clear Specimens of Timber	Hardness under static indentation	IS 1708 (Part 10): 1986
8.	Small Clear Specimens of Timber	Shear strength parallel to grain	IS 1708 (Part 11): 1986
9.	Small Clear Specimens of Timber	Tensile strength parallel to grain	IS 1708 (Part 12): 1986
10.	Small Clear Specimens of Timber	Tensile strength perpendicular to grain	IS 1708 (Part 13): 1986
11.	Small Clear Specimens of Timber	Nail and screw holding power	IS 1708 (Part 15): 1986

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastics & Plastic Products		
1.	Tensile properties of Plastic-Polymer	Tensile Properties	ASTM D 638 : 2022
2.	Indentation Hardness by Means of Durometer (Shore Hardness) of Plastic-Polymer	Hardness (Shore-D)	IS 13360 (P5/Sec.11): 2013
3.	Izod Impact resistance of Plastic-Polymer	Izod Impact Testing	ASTM D 256 : 2024
4.	Tensile properties of Plastic-Polymer	Tensile Strength	IS 13360 (P5/Sec.1): 2021
5.	Density and Specific Gravity (Relative Density) of Plastics-Polymer	Density	ASTM D 792 : 2020
6.	Vicat Softening Temperature of Thermoplastic Materials Plastic-Polymer	Vicat Softening Point	IS 13360 (P6/Sec.1): 2018
7.	Tension test of Vulcanized Rubber and Thermoplastic Elastomers	Tensile Strength	ASTM D 412 : 2021
8.	Tension test of Vulcanized Rubber and Thermoplastic Elastomers	Elongation	ASTM D 412 : 2021
9.	Melt flow index of Thermoplastic & related product	Melt Flow Index	ASTM D 1238 : 2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastics & Plastic Products		
10.	Melt Mass-Flow Rate (MFR) and the Melt Volume-Flow Rate (MVR) of Thermoplastics-Polymer	Melt Flow Rate	IS 13360 (P4/Sec.1): 2000
11.	Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers-Polymer	Tear Strength	ASTM D 624 : 2020
12.	Indentation Hardness by Means of Durometer of Rubber-Polymer	Hardness (Shore A)	ASTM D 2240 : 2021
13.	Indentation Hardness by Means of Durometer of Rubber –Polymer	Hardness (Shore D)	ASTM D 2240 : 2021
14.	Tear Resistance (Graves Tear) of Plastic Film and Sheeting	Tear Resistance	ASTM D 1004 : 2021
15.	Tensile Properties of Nonreinforced Polyethylene and Nonreinforced Flexible	Tensile Break Strength	ASTM D 6693 : 2020
16.	Polypropylene geomembranes	Break Elongation	ASTM D 6693 : 2020
17.	Peel strength or Stripping Strength of Adhesive Bonds	Peel Adhesion Strength	ASTM D 903 : 2017

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
1.	Cotton Duck	Count of yarn, universal count, ply	IS 3442:2023/ IS 1422
2.	Cotton Duck	Mass	IS 1964 :2001
3.	Cotton Duck	Ends	IS 1963:1981
4.	Cotton Duck	Picks	IS 1963:1981
5.	Cotton Duck	Breaking load (Revelled strip)	IS 1969 P-1: 2018(ISO 13934-1-2013)
6.	Cotton Duck	Dimensions (length & width)	IS 1954: 2024(ISO 22198:2006)
7.	Cotton Duck	Weave	IS 1422: 1983
8.	Absorbent Cotton Gauge	Count of yarn, universal count/cotton count	IS 3442:2023/ IS 758: 2023
9.	Absorbent Cotton Gauge	Mass	IS 1964: 2001
10.	Absorbent Cotton Gauge	Ends	IS 1963:1981/ IS 758: 2023 ANX-B
11.	Absorbent Cotton Gauge	Picks	IS 1963:1981/ IS 758: 2023 ANX-B
12.	Absorbent Cotton Gauge	Dimensions (length & width)	IS 1954: 2024/ IS 758: 2023 ANX-B
13.	Absorbent Cotton Gauge	Freedom from optical brighteners	Visual examination under ultra violet light
14.	Cotton Bandage Cloth	Count of yarn, universal count, cotton count	IS 3442:2023/ IS 863: 2023
15.	Cotton Bandage Cloth	Mass	IS 1964 :2001

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
16.	Cotton Bandage Cloth	Ends/dm	IS 1963:1981
17.	Cotton Bandage Cloth	Picks/dm	IS 1963:1981
18.	Cotton Bandage Cloth	Dimensions (length)	IS 1954 : 2024
19.	Cotton Bandage Cloth	Dimensions (width)	IS 1954 : 2024
20.	Cotton Bandage Cloth	Freedom from optical brighteners	Visual examination under ultra violet light/ IS 863
21.	Crepe Bandages	Linear density of Warp yarn	IS 4605 :2020/ IS 832 : PART 1 : 2021(ISO 2061:2015)
22.	Crepe Bandages	Turn per cm of Warp yarn	IS 4605 : 2020/ IS 832 : PART 1: 2021 (ISO 2061:2015)
23.	Crepe Bandages	Linear density of Weft yarn	IS 4605 :2020/ IS 832 :PART 1 : 2021 (ISO 2061:2015)
24.	Crepe Bandages	Dimensions (length)	IS 1954 : 2024/ IS 4605: 2020 ANX-B
25.	Crepe Bandages	Dimensions (width)	IS 1954: 2024/ IS 4605: 2020 ANX-B
26.	Crepe Bandages	Mass (gsm)	IS 1964 :2001/IS 14944: 2020
27.	Crepe Bandages	Ends/dm	IS 14944:2020
28.	Crepe Bandages	Picks/dm	IS 1963:1981
29.	Crepe Bandages	Breaking load (Revelled strip)	IS 1969 P-1: 2018(ISO 13934-1-2013)/ IS 14944: 2020
30.	Crepe Bandages	Elasticity	IS 14944: 2020

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
31.	High Density Polyethylene (HDPE)/ Polypropylene (PP) Woven Sacks for Packing 50kg/25kg Foodgrains	Capacity, kg	IS 14887:2014
32.		Width of HDPE/PP tape	IS 6192:2023/IS 6193-1971/ IS 11197: 1985
33.		Linear density of HDPE/PP tape	IS 6193-1971/IS 7703 PT-1:1990/ IS 11197: 1985
34.		Mass of sacks	IS 1964 :2001
35.		Ends	IS 14887 : 2014Annx- B
36.		Picks	IS 14887: 2014 Annx- B
37.		Mass of Bale	IS 14887 : 2014
38.		No. of stitches/dm for bottom seam	IS 14887 : 2014
39.		Breaking strength (Revelled strip)	IS 1969 P-1: 2018(ISO 13934-1-2013)
40.		Breaking strength of bottom seam (Revelled strip)	IS 9030:2024
41.		Elongation at break of fabric	IS 1969 P-1: 2018(ISO 13934-1-2013)
42.		Breaking strength of fabric after UV exposure	IS 14887:2014 Annx-C
43.		Elongation at break of fabric after UV exposure	IS 14887:2014 Annx-C
44.		Dimensions (inside length)	IS 14887:2014 Annx-B
45.		Dimensions (inside width)	IS 14887:2014 Annx-B

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
46.	High Density Polyethylene (HDPE)/Polypropylene(PP) Woven Sacks For Packing 50kg/25kg Sugar	Capacity, kg	IS 14968 : 2015
47.		Mass of unlaminated sacks	IS 1964 :2001
48.		Mass of sacks with liner	IS 1964 :2001
49.		Ends	IS 14968 : 2015 Annx- B
50.		Picks	IS 14968 : 2015 Annx- B
51.		Width of HDPE/PP tape	IS 6192:2023/IS 6193-1971/IS 11197
52.		Linear density of HDPE/PP tape	IS 6193-1971 /IS 7703 PT-1:1990
53.		Mass of Bale	IS 14968 : 2015
54.		No. of stitches/dm for bottom seam	IS 14968 : 2015
55.		Breaking strength of fabric (Revelled strip)	IS 1969 P-1: 2018(ISO 13934-1-2013)
56.		Breaking strength of bottom seam (Revelled strip)	IS 9030:2024
57.		Elongation at break of fabric	IS 1969 P-1: 2018(ISO 13934-1-2013)
58.		Breaking strength of fabric after UV exposure	IS 14968 : 2015 Annx- C
59.		Elongation at break of fabric after UV exposure	IS 14968 : 2015 Annx- C
60.	Dimensions (inside length)	IS 14968 : 2015 Annx- B	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
61.	High Density Polyethylene (HDPE)/Polypropylene(PP) Woven Sacks For Packing 50kg/25kg Foodgrains	Dimensions (inside width)	IS 14968 : 2015 Annx- B
62.		Capacity, kg	IS 16208 : 2015
63.		Width of HDPE/PP tape	IS 6192:2023/IS 6193-1971
64.		Linear density of HDPE/PP tape	IS 6193-1971/IS 7703 PT-1:1990
65.		Mass of sacks	IS 1964 :2001
66.		Ends	IS 16208 : 2015 Annx- B
67.		Picks	IS 16208 : 2015 Annx- B
68.		Breaking strength (Revelled strip)	IS 1969 P-1: 2018(ISO 13934-1-2013)
69.		Breaking strength of bottom seam (Revelled strip)	IS 9030 : 2024
70.		Elongation at break of fabric	IS 1969 P-1: 2018(ISO 13934-1-2013)
71.		Breaking strength of fabric after UV exposure	IS 16208 : 2015 Annx-C
72.		Elongation at break of fabric after UV exposure	IS 16208 : 2015 Annx-C
73.		Mass of Bale	IS 16208 : 2015
74.		No. of stitches/dm for bottom seam	IS 16208 : 2015
75.		Dimensions (inside length)	IS 16208 : 2015 Annx-B
76.		Dimensions (inside width)	IS 16208 : 2015 Annx-B

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
77.	Finished fabric	Heat Shrinkage	IS 13717 : 2025
78.	Finished fabric	Breaking Strength and Extension at break	IS 7016 : Part 2 : 2022 (ISO 1421 : 2016)
79.	Finished fabric	MASS/GSM (g/m ²)	IS 7016 : Part 1 : Sec 2 : 2019 (ISO 2286-2 : 2016)
80.	Knitted fabric	(Coarse/Wales)	IS 833 : 1977
81.	Finished fabric	Pilling Resistance	IS 10971 : Part 1 : 2022 (ISO 12945-1 2020)
82.	Finished fabric	Determination of Tear Force Using Elmendorf	IS 6489 : PART 1 : 2011 (ISO 13937-1: 2000)
83.	Finished fabric	Determination of Bursting Strength and Bursting Distension	IS 1966 : Part 2 : 2022 (ISO 13938-2: 2019)
84.	Finished fabric	Thickness of Textile Product	IS 7702: 2012 (ISO 5084: 1996)
85.	Finished fabric	Determination of Flammability and Flame resistance of Textile Fabrics (Vertical)	IS 11871: 1986 (Method A)
86.	Geotextiles	Grab Breaking load	IS 16342: 2015
87.	Geotextiles	Grab Elongation at break	IS 16342: 2015
88.	Geotextiles	Grab Breaking Load	ASTM D 4632 : 2023 : 2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
89.	Geotextiles	Elongation at break	ASTM D 4632 : 2023 : 2023
90.	Geotextiles	Tensile Properties of Geotextiles by Wide-Width Strip method	ASTM D 4595 : 2023
91.	Geotextiles	Elongation at break	ASTM D 4595 : 2023
92.	Geotextiles	Static puncture strength (CBR test)- by 50mm probe	ASTM D 6241 : 2022
93.	Geotextiles	Trapezoid Tearing Strength	ASTM D 4533 : 2023
94.	Geotextiles	Trapezoid Tearing Strength	IS 14293 :2024
95.	Geotextiles	Mass per Unit Area	ASTM D 5261 : 2018
96.	Geotextiles	Mass per Unit Area	ISO 9864 : 2005
97.	Geotextile	Tensile strength	DIN EN 29073-3 : 1992
98.	Geotextile	Elongation at break	DIN EN 29073-3 : 1992
99.	Non-woven textiles /Geotextile	Tensile strength	IS 15891 P-3: 2024/ ISO 9073-P 3: 2023
100.	Non-woven Textiles /Geotextile	Elongation at break	IS 15891 P-3: 2024/ ISO 9073-P 3: 2023
101.	Non-woven Textiles /Geotextile	Mass per unit area	IS 15891 P-1 : 2024/ ISO 9073-1: 2023`
102.	Non-woven Textiles /Geotextile	Thickness	IS 15891 P-2: 2011/ ISO 9073-2 : 1995

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
103.	Non-woven Textiles /Geotextile	Tear Resistance by the Trapezoid Procedure	IS 15891 P-4 : 2024/ ISO 9073-4: 2021
104.	Geosynthetics	Tensile test for joint seams by wide-width strip method	IS 15060 : 2018 /ISO 10321:2008
105.	Geosynthetics	Static puncture strength (CBR test)- by 50mm probe	DIN EN ISO 12236 : 2006
106.	Geosynthetics	Mass per unit area (GSM)	IS 14716: 2021
107.	Geosynthetics	Nominal Thickness under specified pressure	ASTM D 5199: 2019
108.	Geosynthetics	Thickness at specified pressures	IS 13162 : Part 3: 2021/ ISO 9863-PT-1 : 2016
109.	Geotextiles/Geogrid/ Geostrip/Geosynthetics	Chemical resistance, Strength retained after 72 h immersion, % (Tensile Strength)	IS 17363 : 2025/ ISO 12960: 2020



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
1.	Aerial Bunched Cables for working voltages upto and including 1100V	Ageing in Air Oven on Insulation (Tensile strength Variation)	IS 14255:1995, IS:10810 (Part 11)-1984 RA: 2016
2.		Ageing in Air Oven on Insulation (Elongation Variation)	IS 14255:1995 RA: 2020, IS:10810 (Part 11)-1984
3.		Bending Test on complete cable	IS 14255:1995
4.		Breaking load on Messenger Conductor	IS 14255:1995 , IS:10810 (Part 2)-1984
5.		Wrapping Test (for Aluminium)	IS 14255:1995 , IS:10810 (Part 3)-1984
6.		Conductor Resistance Test on messenger conductor	IS 14255:1995, IS:10810 (Part 5)-1984
7.		Elongation Test on Messenger Conductor	IS 14255:1995
8.		High Voltage Test at Room Temperature	IS 14255:1995
9.		Hot Set Test	IS 14255:1995, IS:10810 (Part 30)-1984
10.		Resistance Test on Phase/Messenger/Street Light Conductor	IS 14255:1995, IS:10810 (Part 5)-1984
11.		Shrinkage Test on Insulation	IS 14255:1995, IS:10810 (Part 12)-1984
12.		Tensile Strength on Insulation	IS 14255:1995 , IS:10810 (Part 7)-1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
13.	Aerial Bunched Cables for working voltages upto and including 1100V	Elongation at Break on Insulation	IS 14255:1995 , IS:10810 (Part 7)-1984
14.		Tensile Test on Phase/Street Light Conductor	IS 14255:1995 , IS:10810 (Part 02)-1984
15.		Test for overall dimensions, & thickness of Insulation	IS 14255:1995 , IS:10810 (Part 6)-1984
16.		Volume Resistivity	IS 14255:1995, IS:10810 (Part 43)-1984
17.		Water Absorption (Gravimetric)	IS 14255:1995 , IS:10810 (Part 33)-1984
18.	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/Cords with Rigid and Flexible conductor for rated voltage up to and including 1100 V	Additional Ageing Test	IS 694:2010
19.		Smoke Density Rating	IS 694:2010 ,IS 13360 (Part 6, Sec 9)-2001
20.		Ageing in Air Oven on Insulation & Sheath (Tensile strength Variation)	IS 694:2010, IS:10810 (Part 11)-1984
21.		Ageing in Air Oven on Insulation & Sheath(Elongation Variation)	IS 694:2010, IS:10810 (Part 11)-1984
22.		Annealing test (for Copper)	IS 694:2010, IS:10810 (Part 1)-1984
23.		Marking	IS 694:2010
24.		Cold Bend Test on Insulation & Sheath	IS 694:2010, IS:10810 (Part 20)-1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
25.	Polyvinyl Chloride Insulated unsheathed And Sheathed Cables/Cords with Rigid And Flexible conductor for rated voltage up to and including 1100 V	Cold Impact Test on Insulation & Sheath	IS 694:2010, IS:10810 (Part 21)-1984
26.		Conductor Resistance Test	IS 694:2010, IS:10810 (Part 5)-1984
27.		Determination of the halogen acid gas evaluation	IS 694:2010, IS:10810 (Part 59)-1988
28.		Flammability Test	IS 694:2010, IS:10810 (Part 53)-1988
29.		Heat Shock Test on Insulation & Sheath	IS 694:2010, IS:10810 (Part 14)-1988
30.		High Voltage test (Water immersion)	IS 694:2010, IS:10810 (Part 45)-1988
31.		High Voltage Test at Room Temperature	IS 694:2010, IS:10810 (Part 45)-1988
32.		Hot Deformation/ Pressure Test at High Temperature on Insulation & Sheath	IS 694:2010 , IS:10810 (Part 15)-1988
33.		Insulation Resistance	IS 694:2010 , IS:10810 (Part 43)-1988
34.		Loss of Mass on Insulation & Sheath	IS 694:2010 , IS:10810 (Part 10)-1984
35.		Measurement of Temperature Index on Insulation & Sheath	IS 694:2010 , IS:10810 (Part 64)-2003
36.		Ovality	IS 694:2010
37.		Oxygen Index Test on Insulation & Sheath	IS 694:2010 , , IS:10810 (Part 58)-1998

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
38.	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/Cords with Rigid And Flexible conductor for rated voltage up to and including 1100 V	Persulphate Test (for tinned copper conductor cable only)	IS 694:2010, IS:10810 (Part 4)-1984
39.		Shrinkage Test on Insulation & Sheath	IS 694:2010, IS:10810 (Part 12)-1984
40.		Tensile Strength Insulation & Sheath	IS 694:2010, IS:10810 (Part 7)-1984
41.		Elongation at Break on Insulation & Sheath	IS 694:2010, IS:10810 (Part 7)-1984
42.		Tensile Test (for Aluminium)	IS 694:2010, IS:10810 (Part 2)-1984
43.		Test for overall dimensions, Eccentricity & thickness of Insulation & Sheath	IS 694:2010, IS:10810 (Part 6)-1984
44.		Thermal stability Test on Insulation & Sheath	IS 694:2010, IS:10810 (Part 60)-1988
45.		Volume Resistivity	IS 694:2010, IS:10810 (Part 43)-1984
46.		Wrapping Test (for Aluminium)	IS 694:2010, IS:10810 (Part 3)-1984
47.		PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100V	High Voltage Test (Water Immersion)
48.	High Voltage Test at Room Temperature		IS 1554(PART-1) :1988, IS:10810 (Part 45)-1988
49.	Ageing in Air Oven on Insulation & Sheath (Tensile strength Variation)		IS 1554(PART-1) :1988, IS:10810 (Part 11)-1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
50.	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100V	Ageing in Air Oven on Insulation & Sheath (Elongation Variation)	IS 1554(PART-1) :1988,IS:10810 (Part 11)-1984
51.		Annealing test (for Copper)	IS 1554(PART-1) :1988, IS:10810 (Part 1)-1984
52.		Cold Bend Test on Insulation & Sheath	IS 1554(PART-1) :1988, IS:10810 (Part 20)-1984
53.		Cold Impact Test on Insulation & Sheath	IS 1554(PART-1) :1988, IS:10810 (Part 21)-1984
54.		Conductor Resistance Test	IS 1554(PART-1) :1988, IS:10810 (Part 5)-1984
55.		Determination of the halogen acid gas evaluation	IS 1554(PART-1) :1988, IS:10810 (Part 59)-1988
56.		Dimensions of Armouring Material	IS 1554(PART-1) :1988, IS:10810 (Part 59)-1988
57.		Flammability Test	IS 1554(PART-1) :1988, IS:10810 (Part 53)-1984
58.		Heat Shock Test on Insulation & Sheath	IS 1554(PART-1) :1988, IS:10810 (Part 14)-1984
59.		Hot Deformation on Insulation & Sheath	IS 1554(PART-1) :1988, IS:10810 (Part 15)-1984
60.		Insulation Resistance	IS 1554(PART-1) :1988, IS:10810 (Part 43)-1984
61.		Flame Retardance test on Bunched Cables	IS 1554(PART-1) :1988, IS:10810 (Part 62)-1993

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
62.	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100V	Flame Retardance test on single Cables	IS 1554(PART-1) :1988, IS:10810 (Part 61)-1988
63.		Mass of Zinc Coating	IS 1554(PART-1) :1988, IS:10810 (Part 41)-1984
64.		Armoured Coverage Percentage	IS 1554(PART-1) :1988
65.		Loss of Mass on Insulation & Sheath	IS 1554(PART-1) :1988, IS:10810 (Part 10)-1984
66.		Measurement of Temperature Index	IS 1554(PART-1) :1988, IS:10810 (Part 64)-2003
67.		Oxygen Index Test	IS 1554(PART-1) :1988, IS:10810 (Part 58)-1998
68.		Resistivity Test on armored material	IS 1554(PART-1) :1988, IS:10810 (Part 42)-1984
69.		Shrinkage Test on Insulation & Sheath	IS 1554(PART-1) :1988, IS:10810 (Part 12)1984
70.		Tensile strength at break for armouring material	IS 1554(PART-1) :1988, IS:10810 (Part 37)1984
71.		Elongation at break for armouring material	IS 1554(PART-1) :1988, S:10810 (Part 37)1984
72.	Tensile Strength at Break on Insulation & Sheath	IS 1554(PART-1) :1988, IS:10810 (Part 7)1984	
73.	Elongation at Break on Insulation & Sheath	IS 1554(PART-1) :1988, IS:10810 (Part 7)1984	

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
74.	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100V	Tensile Test (for Aluminium)	IS 1554(PART-1) :1988, IS:10810 (Part 2)1984
75.		Test for overall dimensions thickness of Insulation & Sheath	IS 1554(PART-1) :1988, IS:10810 (Part 6)1984
76.		Thermal Stability Test on Insulation & Sheath	IS 1554(PART-1) :1988, IS:10810 (Part 60)1988
77.		Torsion Test for Round Wire	IS 1554(PART-1) :1988, IS:10810 (Part 38)1984
78.		Uniformity of Zinc Coating	IS 1554(PART-1) :1988, IS:10810 (Part 40)1984
79.		Winding Test for Formed Wire	IS 1554(PART-1) :1988, IS:10810 (Part 39)1984
80.		Wrapping Test (for Aluminium)	IS 1554(PART-1) :1988, IS:10810 (Part 3)1984
81.		Insulation Resistance	IS 1554(PART-1) :1988, IS:10810 (Part 43)1984
82.		Volume Resistivity	IS 1554(PART-1) :1988, IS:10810 (Part 43)1984
83.		Armoured Resistance test	IS 1554(PART-1) :1988
84.	Measurement of Smoke Density of Electric Cables Under Fire Condition	IS 1554(PART-1) :1988, IS:10810 (Part 63)1993	

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
85.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V	Cold Bend Test	IS 7098(PART-1) :2025, IS:10810 (Part 20)1984
86.		Armoured Resistance test	IS 7098(PART-1) :2025, IS:10810 (Part 42)1984
87.		Cold Impact Test	IS 7098(PART-1) : 2025, IS:10810 (Part 21)1984
88.		Flammability Test	IS 7098(PART-1) : 2025, IS:10810 (Part 53)1984
89.		Thermal Stability Test on Sheath	IS 7098(PART-1) : 2025, IS:10810 (Part 60)1988
90.		Ageing in Air Oven on Insulation & Sheath (Tensile strength Variation)	IS 7098(PART-1) : 2025, IS:10810 (Part 11)1984
91.		Ageing in Air Oven on Insulation & Sheath (Elongation Variation)	IS 7098(PART-1) : 2025, IS:10810 (Part 11)1984
92.		Armoured Coverage Percentage	IS 7098(PART-1) : 2025
93.		Flame Retardance test on single Cables	IS 7098(PART-1) : 2025, IS:10810 (Part 61)1988
94.		Flame Retardance test on Bunched Cables	IS 7098(PART-1) : 2025, IS:10810 (Part 62)1984
95.		Mass of Zinc Coating	IS 7098(PART-1) : 2025, IS:10810 (Part 41)1984
96.		Uniformity of Zinc Coating	IS 7098(PART-1) : 2025, IS:10810 (Part 40)1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
97.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V	Winding Test for Formed Wire	IS 7098(PART-1) : 2025, IS:10810 (Part 39)1984
98.		Resistivity Test armouring material	IS 7098(PART-1) : 2025, IS:10810 (Part 42)1984
99.		Tensile strength armouring material	IS 7098(PART-1) : 2025, IS:10810 (Part 37)1984
100.		Elongation at break for armouring material	IS 7098(PART-1) : 2025, IS:10810 (Part 37)1984
101.		Dimensions of Armouring Material	IS 7098(PART-1) : 2025, IS:10810 (Part 36)1984
102.		Torsion Test for Round Wire	IS 7098(PART-1) : 2025, IS:10810 (Part 38)1984
103.		Annealing test (for Copper)	IS 7098(PART-1) : 2025, IS:10810 (Part 1)1984
104.		Conductor Resistance Test	IS 7098(PART-1) : 2025, IS:10810 (Part 5)1984
105.		Determination of the halogen acid gas evaluation	IS 7098(PART-1) : 2025, IS:10810 (Part 59)1988
106.		Heat Shock Test on Sheath	IS 7098(PART-1) : 2025, IS:10810 (Part 14)1984
107.	High Voltage Test at Room Temperature	IS 7098(PART-1) : 2025, IS:10810 (Part 45)1984	
108.	Hot Deformation on Sheath	IS 7098(PART-1) : 2025, IS:10810 (Part 15)1984	

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
109.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V	Hot Set Test	IS 7098(PART-1) : 2025, IS:10810 (Part 30)1984
110.		Loss of Mass in Air Oven	IS 7098(PART-1) : 2025, IS:10810 (Part 10)1984
111.		Measurement of Temperature Index	IS 7098(PART-1) : 2025, IS:10810 (Part 64) 2003
112.		Oxygen Index Test	IS 7098(PART-1) : 2025, IS:10810 (Part 58)1998
113.		Shrinkage Test on Insulation & Sheath	IS 7098(PART-1) : 2025, IS:10810 (Part 12)1984
114.		Tensile Strength at Break on Insulation & Sheath	IS 7098(PART-1) : 2025, IS:10810 (Part 7)1984
115.		Elongation at Break on Insulation & Sheath	IS 7098(PART-1) : 2025, IS:10810 (Part 7)1984
116.		Tensile Test (for Aluminium)	IS 7098(PART-1) : 2025, IS:10810 (Part 2)1984
117.		Test for overall dimensions & thickness of Insulation & Sheath	IS 7098(PART-1) : 2025, IS:10810 (Part 6)1984
118.		Volume Resistivity	IS 7098(PART-1) : 2025, IS:10810 (Part 43)1984
119.		Water Absorption (Gravimetric)	IS 7098(PART-1) : 2025, IS:10810 (Part 33)1984
120.		Wrapping Test (for Aluminum)	IS 7098(PART-1) :2025, IS:10810 (Part 3)1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
121.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V	Carbon Black Content (PE: Sheath)	IS 7098(PART-1) :2025, IS 10810 (Part 32) : 1984
122.		Cold Elongation Test for LSHF sheath	IS 10810 (Part 7) : 1984
123.		Smoke Density Rating	IS 7098(PART-1) :2025, IS 13360 (PART-6, Sec 9) : 2001
124.		Light Transmission Test	IS 7098(Part-1):2025, IS 10810 (Part 63):1993
125.		Test for pH	Clause 17.10 of IS 7098(Part-1):2025
126.		Test for Conductivity	Clause 17.10 of IS 7098(Part-1):2025
127.	Thermosetting Insulated Fire Survival Cables for Fixed Installation having Low Emission of Smoke and Corrosive Gases when affected by Fire for Working Voltages upto and including 1100 V A.C and 1500 V D.C	Cold Bend Test	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
128.		Armoured Resistance test	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
129.		Cold Impact Test	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
130.		Flammability Test	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
131.		Ageing in Air Oven on Insulation & Sheath (Tensile strength Variation)	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
132.		Ageing in Air Oven on Insulation & Sheath (Elongation Variation)	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
133.	Thermosetting Insulated Fire Survival Cables for Fixed Installation having Low Emission of Smoke and Corrosive Gases when affected by Fire for Working Voltages upto and including 1100 V A.C and 1500 V D.C	Armoured Coverage Percentage	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
134.		Flame Retardance test on single Cables	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
135.		Flame Retardance test on Bunched Cables	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
136.		Mass of Zinc Coating	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
137.		Uniformity of Zinc Coating	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
138.		Winding Test for Formed Wire	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
139.		Resistivity Test armouring material	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
140.		Tensile strength armouring material	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
141.		Elongation at break for armouring material	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
142.		Dimensions of Armouring Material	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
143.		Torsion Test for Round Wire	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
144.		Annealing test (for Copper)	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
145.	Thermosetting Insulated Fire Survival Cables for Fixed Installation having Low Emission of Smoke and Corrosive Gases when affected by Fire for Working Voltages upto and including 1100 V A.C and 1500 V D.C	Conductor Resistance Test	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
146.		Determination of the halogen acid gas evaluation	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
147.		Heat Shock Test on Sheath	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
148.		High Voltage Test at Room Temperature	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
149.		Hot Deformation on Sheath	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
150.		Hot Set Test	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
151.		Loss of Mass in Air Oven	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
152.		Measurement of Temperature Index	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
153.		Oxygen Index Test	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
154.		Shrinkage Test on Insulation & Sheath	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
155.		Tensile Strength at Break on Insulation & Sheath	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
156.		Elongation at Break on Insulation & Sheath	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
157.	Thermosetting Insulated Fire Survival Cables for Fixed Installation having Low Emission of Smoke and Corrosive Gases when affected by Fire for Working Voltages upto and including 1100 V A.C and 1500 V D.C	Tensile Test (for Aluminium)	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
158.		Test for overall dimensions & thickness of Insulation & Sheath	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
159.		Volume Resistivity	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
160.		Water Absorption (Gravimetric)	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
161.		Wrapping Test (for Aluminum)	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
162.		Smoke Density Rating	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
163.		Light Transmission Test	IS 17505 (Part 1) : 2021, IS:10810 (Part 20)1984
164.		Halogen Free Flame Retardant (HFFR) Cables for working voltages up to and including 1100 Volts	flammability Test on Finished cable
165.	Ageing in Air Oven on Insulation & Sheath (Tensile strength Variation)		IS 17048 :2018, IS:10810 (Part 11)1984
166.	Ageing in Air Oven on Insulation & Sheath (Elongation Variation)		IS 17048 :2018, IS:10810 (Part 11)1984
167.	Annealing Test (for Copper)		IS 17048 :2018, IS:10810 (Part 1)1984
168.	Cold Bend Test on Insulation and Finished Cable		IS 17048 :2018, IS:10810 (Part 20)1984

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
169.	Halogen Free Flame Retardant (HFFR) Cables for working voltages up to and including 1100 Volts	Cold Impact Test on Insulation and Finished Cable	IS 17048 :2018, IS:10810 (Part 21)1984
170.		Conductor Resistance Test	IS 17048 :2018, IS:10810 (Part 5)1984
171.		Tensile strength & Elongation at Break on Insulation & Sheath	IS 17048 :2018, IS:10810 (Part 7)1984
172.		Flame Retardant Test on Insulation & Finished Cable	IS 17048 :2018, IS:10810 (Part 61)1988
173.		High Voltage Test on Insulation & Finished Cable	IS 17048 :2018, IS:10810 (Part 45)1984
174.		Hot Deformation Test on Insulation & Sheath	IS 17048 :2018, IS:10810 (Part 15)1984
175.		Hot Set Test	IS 17048 :2018, IS:10810 (Part 30)1984
176.		Insulation Resistance	IS 17048 :2018, IS:10810 (Part 43)1984
177.		Oxygen Index on Insulation & Sheath	IS 17048 :2018, IS:10810 (Part 58)1988
178.		Persulphate Test for tinned copper	IS 17048 :2018, IS:10810 (Part 4)1984
179.		Smoke Density Test on Finished Cable	IS 17048 :2018, IS:10810 (Part 63)1993
180.		Temperature Index on Insulation & Sheath	IS 17048 :2018, IS:10810 (Part 64)2003

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
181.	Halogen Free Flame Retardant (HFFR) Cables for working voltages up to and including 1100 Volts	Tensile test (for aluminium)	IS 17048 :2018, IS:10810 (Part 2)1984
182.		Test for Overall Dimensions	IS 17048 :2018, IS:10810 (Part 6)1984
183.		Test for Thickness of Insulation & Sheath	IS 17048 :2018, IS:10810 (Part 6)1984
184.		Water immersion test (effect of water on sheath of cable) on finished cable	IS 17048 :2018
185.		Wrapping test (for aluminium)	IS 17048 :2018,IS:10810 (Part 3)1984
186.		Assessment of Halogen-pH	IS 17048 :2018
187.		Assessment of Halogen-conductivity	IS 17048 :2018
188.	Fuse wires used in rewirable type electric fuses upto 650 volts used in rewirable type electric fuses upto 650 volts	Dimensional Check	IS 9926:1981
189.	Fuse wires used in rewirable type electric fuses upto 650 volts	Persulphate Test	IS 9926:1981
190.	Fuse wires used in rewirable type electric fuses upto 650 volts	Resistance Test	IS 9926:1981

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
191.	Fuse wires used in rewirable type electric fuses upto 650 volts	Visual Examination	IS 9926:1981
192.	Electric Cables for Aircraft, (Part 3 : Nyvin type Electric Cables)	Construction	IS 10241 (PART-3): 1987
193.		Mechanical strength of wires from conductors (Tensile Strength)	IS 10241 (PART-3): 1987
194.		Mechanical strength of wires from conductors (Elongation)	IS 10241 (PART-3): 1987
195.		Non-Inflammability Test	IS 10241 (PART-3): 1987
196.		Tinning test	IS 10241 (PART-3): 1987
197.		Heat test	IS 10241 (PART-3): 1987
198.		Ageing in Air	IS 10241 (PART-3): 1987
199.		Bend Test	IS 10241 (PART-3): 1987
200.		Low Temperature Test	IS 10241 (PART-3): 1987
201.		Flexibility Test	IS 10241 (PART-3): 1987
202.		Voltage Test	IS 10241 (PART-3): 1987
203.		Voltage test on core	IS 10241 (PART-3): 1987
204.		Insulation resistance test on core	IS 10241 (PART-3): 1987

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
205.	Electric Cables for Aircraft, (Part 3 : Nyvin type Electric Cables)	Voltage test on complete cable	IS 10241 (PART-3): 1987
206.		Conductor resistance test	IS 10241 (PART-3): 1987
207.		Properties of PVC Insulation (Elongation at Break)	IS 10241 (PART-3): 1987
208.		Properties of PVC Insulation (Softness of Insulation)	IS 10241 (PART-3): 1987
209.		Properties of PVC Insulation (Volume Resistivity)	IS 10241 (PART-3): 1987
210.	Electric and Optical fibre cables	Bending test at low temperature of insulation & Sheath	IEC 60811-504:2012
211.		Elongation at break of insulation & Sheath	IEC 60811-501:2012
212.		Hot Set Test for Cross linked materials	IEC 60811-507:2012
213.		Impact test at low temperature for insulation and sheath	IEC 60811-506:2012
214.		Measurement of overall dimensions	IEC 60811-203:2012
215.		Resistance of insulation & sheath to cracking (Heat shock test)	IEC 60811-509:2012
216.		Shrinkage test for insulation	IEC 60811-502:2012

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cables & Wires		
217.	Electric and Optical fibre cables	Shrinkage test for Sheath	IEC 60811-503:2012
218.		Tensile strength of insulation & Sheath	IEC 60811-501:2012
219.		Water absorption Test (Gravimetric)	IEC 60811-402:2012
220.	U V Radiation Effect insulation & Sheath	Retention of Tensile Strength	ASTM G-154
221.	U V Radiation Effect insulation & Sheath	Retention of Elongation	ASTM G-154
222.	XLPE & PE INSULATION	Caron Black Content	IS:10810 (Part 32)-1984

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Transmission Line Equipment & Accessories		
1.	Aluminium Conductor for overhead transmission purpose-Aluminium stranded conductors	Measurement of diameter of individual aluminium wire	IS 398 (Pt-1):1996
2.		Breaking Load individual aluminium wire	IS 398 (Pt-1):1996
3.		Wrapping Test individual aluminium wire	IS 398 (Pt-1):1996
4.		Resistance Test individual aluminium wire	IS 398 (Pt-1):1996
5.		Measurement of Lay Ratio	IS 398 (Pt-1):1996
6.		Breaking Load of Individual Wires	IS:398(Pt-2):1996
7.	Aluminium Conductor for overhead transmission purpose aluminium conductors and galvanized steel-reinforced	Ductility Test (Elongation %)	IS:398(Pt-2):1996
8.		Galvanizing Test	IS:398(Pt-2):1996
9.		Measurement of diameter of individual aluminium and steel wire	IS:398(Pt-2):1996
10.		Measurement of Lay Ratio	IS:398(Pt-2):1996
11.		Resistance Test individual aluminium wire	IS:398(Pt-2):1996
12.		Ductility Test (Torsion Test)	IS:398(Pt-2):1996
13.		Wrapping Test	IS:398(Pt-2):1996

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Transmission Line Equipment & Accessories		
14.	Aluminium Conductor for overhead transmission purpose - Aluminium Alloy Strand conductor	Breaking Load of Conductor	IS:398(Pt-4):1994
15.		Elongation	IS:398(Pt-4):1994
16.		Measurement of diameter of individual aluminium Alloy	IS:398(Pt-4):1994
17.		Resistance	IS:398(Pt-4):1994
18.		Measurement of Lay Ratio	IS:398(Pt-4):1994

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Electrical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Wiring Accessories			
1.	Conduits for electrical installations, Rigid plain conduits of insulating materials	Bending (16mm, 20 mm & 25 mm)	IS:9537 (Part 3)-1983	
2.		Checking of Dimensions	IS:9537 (Part 3)-1983	
3.		Collapse Test (16mm, 20 mm & 25 mm)	IS:9537 (Part 3)-1983	
4.		Compression Test	IS:9537 (Part 3)-1983	
5.		Electrical Characteristics (Electrical Strength)	IS:9537 (Part 3)-1983	
6.		Uniformity of wall thickness	IS:9537 (Part 3)-1983	
7.		Impact Test	IS:9537 (Part 3)-1983	
8.		Insulation Resistance in Conduit	IS:9537 (Part 3)-1983	
9.		Resistance to Burning	IS:9537 (Part 3)-1983	
10.		Resistance to Heat	IS:9537 (Part 3)-1983	
11.		Verification of Classification, Marking, Construction	IS:9537 (Part 3)-1983	
12.		Conduit For Electrical Installation (Rigid Steel Conduits)	Verification of Classification, Marking, Construction	IS:9537 (Part 2)-1981
13.			Screw threads	IS:9537 (Part 2)- 1981
14.			External influences	IS:9537 (Part 2) - 1981

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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wiring Accessories		
15.	Conduit For Electrical Installation (Rigid Steel Conduits)	Bending (16mm, 20 mm & 25 mm)	IS:9537 (Part 2) - 1981
16.		Compression Test	IS:9537(Pt-2):1981
17.	Fittings for Rigid non-metallic conduits	Visual Examination	IS: 3419-1989
18.		Checking of dimensions	IS: 3419-1989
19.		Resistance to heat	IS: 3419-1989
20.		Resistance to burning	IS: 3419-1989
21.		Moisture absorption test	IS: 3419-1989
22.		Test for resistance to chemical action	IS: 3419-1989
23.		Copper test	IS: 3419-1989
24.		Test for resistance to oil	IS: 3419-1989
25.		Resistance to impact	IS: 3419-1989
26.		Electrical strength	IS: 3419-1989
27.		Insulation resistance	IS: 3419-1989
28.	Conduit For Electrical Installation (Rigid Steel Conduits)	Dimensions	Cl 7, IS:9537 (Part 2)- 1981
29.		Checking the outside diameter	Cl 7.2, IS:9537 (Part 2)- 1981
30.		Measurement of thickness of the conduits	Cl 7.3, IS:9537 (Part 2)- 1981

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