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Sr.No.	Properties	European Std. EN 176 [group B1B]	Value	Method Of Testing
1	Deviation in Lenght	±0.5%	+0.3%	EN 98
2	Deviation in Thickness	±5.0%	+3.0%	EN 98
3	Straightness Of Side	±0.5%	+0.3%	EN 98
4	Rectangularity	±0.6%	+0.3%	EN 98
5	Surface Flatness	±0.5%	±0.3%	EN 98
6	Water Absorption	<3	3<5	ISO 10945.3 EN 99
7	Mho's Hardness	>5	>5	EN 101 Colour
8	Flexural Strength	>35N/Sq.mm	>39N/Sq.mm	-
9	Abrasion Resistance	As Specified by Manu.	PE I 5	ISO 10545.6 EN 102
10	Frost Resistance	Frost Proof	Frost Proof	ISO 10454-11
11	Chemical Resistance	No Damage	No Damage	ISO 10454-18
12	Thermal Shock Resistance	No Damage	No Damage	ISO 10545-9
13	Colour Resistance	No Damage	No Damage	-
14	Stain Resistance	Resistance	Stain Proof	ISO 10545-14
15	Moisture Expansion	Nill	Nill	ISO 10545-10
16	Crazing Resistance	Min 2 Cycles	Min 4 Cycles	-

TECHNICAL SPECIFICATION OF SUPER WHITE 800X800MM

TEST DESCRIPTION	STANDARD TEST METHOD	INTERNATIONAL STANDARD ISO 13006:1998(E)	METRO STANDARD	
			POLISHED SERIES	RUSTIC / WOOD SERIES
Length and Width	BS EN ISO 10545-2	± 0.6%	± 0.1%	± 0.1%
Thickness	BS EN ISO 10545-2	+5.0%	+3.0%	+3.0%
Straightness of Sides	BS EN ISO 10545-2	+0.5%	+0.15%	+0.2%
Rectangularity	BS EN ISO 10545-2	+0.6%	+0.15%	+0.2%
Surface Flatness	BS EN ISO 10545-2	±0.5%	±0.15%	±0.2%
Water Absorption	BS EN ISO 10545-3	≤0.5%	≤0.05%	≤0.4%
Breaking Strength	BS EN ISO 10545-4	≥1300N	≥1800N	≥1800N
Modulus of Rupture	BS EN ISO 10545-4	>35N/mm²	>40N/mm²	≥40N/mm²
Resistance to Deep Abrasion	BS EN ISO 10545-6	<175mm³	<150mm³	N.A.
Linear Thermal Expansion	BS EN ISO 10545-8	≤9 x 10 ⁻⁶ °C	≤7 x 10 ⁻⁶ °C	≤7 x 10 ⁻⁶ °C
Thermal Shock Resistance	BS EN ISO 10545-9	No visible defect	No visible defect	No visible defect
Frost Resistance	BS EN ISO 10545-12	No visible damage	No visible damage	No visible damage
Resistance to Chemicals	BS EN ISO 10545-13	No visible effect	No visible effect	No visible effect
Resistance to Stains	BS EN ISO 10545-14	Manufacturer to state class	Stains removed Min. Class 2	Stains removed Min. Class 4
Colour Resistance to UV Light	DIN 51094	No change in color	No change in color	No change in color
Scratch Hardness (MHO'S Scale)	EN 101	Manufacturer to state value on MOH'S Scale	≥ 6 MOH'S scale	≥ 6 MOH'S scale
Glossiness	Glossmeter	—	≥ 90 %	—

TECHNICAL SPECIFICATION OF SUPER WHITE 600X1200MM

A.	CHARACTERISTIC REGULATORY PROPERTIES	STANDARD AS PER ISO - 13006/ EN14411 GROUP B1a	MEAN VALUE OF LYCOS POLISHED PORCELAIN	MEAN VALUE OF LYCOS RUSTIC PORCELAIN	TEST METHOD
	Deviation in length & width	±0.5 %	±0.1 %	±0.1 %	ISO-10545-2
	Deviation in thickness	±5.0 %	±4.0 %	±4.0 %	ISO-10545-2
	Straightness in side	±0.5 %	±0.1 %	±0.1 %	ISO-10545-2
	Rectangularity	±0.5 %	±0.1 %	±0.1 %	ISO-10545-2
	Surface flatness	±0.5 %	±0.2 %	±0.2 %	ISO-10545-2
	Color difference	Unaltered	No change	No change	ISO-10545-16
	Glossiness	As per mfg	Min 90%	Min 4%	GLOSSOMET.
B. STRUCTURAL PROPERTIES					
	Water absorption	≤ 0.50 %	≤ 0.20 %	≤ 0.20 %	ISO-10545-3
	Apparent density	> 2.0 g/cc	> 2.10 g/cc	> 2.10 g/cc	DIN 51082
C. MASSIVE MECHANICAL PROPERTIES					
	Modulus of rupture	Min. 35 N/mm ²	Min. 40 N/mm ²	Min. 40 N/mm ²	ISO-10545-4
	Breaking strength	Min. 1300 N	Min. 2000 N	Min. 2000 N	ISO-10545-4
	Impact resistance	As per mfg.	Min. 0.55	Min. 0.55	ISO-10545-5
D. SURFACE MECHANICAL PROPERTIES					
	Surface abrasion resistance	As per mfg	Min. Class-3	Min. Class-4	ISO-10545-7
	MOH's hardness	As per mfg	Min. 4	Min. 5	EN 101
E. THERMO HYGROMETRIC PROPERTIES					
	Frost resistance	No damage	No damage	No damage	ISO-10545-12
	Thermal shock resistance	No damage	No damage	No damage	ISO-10545-9
	Moisture expansion	Nil	Nil	Nil	ISO-10545-10
	Thermal expansion (COE)	Max. 9.0 x 10 ⁻⁶	Max. 6.5 x 10 ⁻⁶	Max. 6.5 x 10 ⁻⁶	ISO-10545-8
	Crazing resistance	As per mfg	Min. 10 Cycle	Min. 10 Cycle	ISO-10545-11
F. CHEMICAL PROPERTIES					
	Chemical resistance	No damage	No damage	No damage	ISO-10545-13
	Stain resistance	Resistant	Resistant	Resistant	ISO-10545-14
G. SAFETY PROPERTIES					
	Slip resistance	As per mfg	> 0.40	> 0.40	ISO-10545-17
	Fire resistance	As per mfg	Fireproof	Fireproof	N. A.
	Lead & Cadmium given off by glazed tiles	As per mfg	Does not yield Pb & Cd	Does not yield Pb & Cd	ISO-10545-15