

TECHNICAL SPECIFICATIONS

THICKNESS : 15 MM SIZE : 800 X 2400MM SINTERED STONE

Sr. No.	CHARACTERISTICS	STANDARD AS PER ISO-13006/ En14411 GROUP	VALUES	TEST METHOD	
REGULATORY PROPERTIES					
1	Deviation in Length & Width	± 0.5%	± 0.2%	ISO 10545-2	
2	Deviation in Thickness	± 5%	± 5%	ISO 10545-2	
3	Straightness of Sides	± 0.5%	± 0.2%	ISO 10545-2	
4	Rectangularity	± 0.5%	± 0.2%	ISO 10545-2	
5	Surface Flatness	± 0.5%	± 0.3%	ISO 10545-2	
6	Color Difference	△E<1.00	△E<0.30	ISO 10545-16	
7	Glossiness	As Per Mfg.	>90%	Gloss Meter 60	
STRUCTURAL PROPERTIES					
8	Water Absorption	≤ 0.5 %	≤ 0.06 %	ISO 10545-3	
9	Apparent Density	As Per Mfg.	> 2.20 g/cc	ISO 10545-3	
MASSIVE MECHANICAL PROPERTIES					
10	Modulus of Repture	Min 35N/mm ²	Min 40N/mm ²	ISO 10545-4	
11	Breaking Strength	Min.1300 N	Min. 7200 N	ISO 10545-4	
12	Impact Resistance	As per Mfg.	Min. 0.55	ISO 10545-4	
SURFACE MECHANICAL PROPERTIES					
13	Surface Abrasion Resistance	As per Mfg.	Min. class 3	ISO 10545-7	
14	Moh's Hardness	As per Mfg.	Min. class 4	BS EN 15771	
THERMO HYGROMETRIC PROPERTIES					
15	Frost Resistance	As Per Mfg.	Frost Proof	ISO 10545-12	
16	Thermal Shock Resistance	Min. 10 Cycle	Min. 10 Cycle	ISO 10545- 9	
17	Moisture Expansion	Max. 0.6mm/m	Max. 0.02mm/m	ISO 10545-10	
18	Thermal Expansion	Max. 9.0 x 10 ⁻⁶	Max. 6.0x10 ⁻⁶	ISO 10545- 8	
CHEMICAL PROPERTIES					
19	Chemical Resistance	As Per Mfg.	No Damage	ISO 10545-13	
20	Stain Resistance	Resistant	Resistant	ISO 10545-14	
SAFETY PROPERTIES					
21	Slip Resistance	As Per Mfg.	N. A.	DIN 51130	
22	Fire Resistance	As Per Mfg.	Fire Proof	N. A.	
PACKING DETAILS					
TILE SIZE		THICKNESS	NO. OF TILES/BOX	WEIGHT/BOX (approx.)	COVERAGE AREA
800 X 2400mm		15 mm	1 Pcs	67 kg.	20.67 Sq. Ft.