

TECHNICAL SPECIFICATIONS

THICKNESS : 9 MM

SIZE : 1200 X 2400MM

GLAZED VITRIFIED

SR. NO.	CHARACTERISTICS	INTERNATIONAL STD. ISO 13006 /EN 14411 GROUP B1a	SPECIFICATION	METHOD OF TESTING
REGULATORY PROPERTIES				
1	Length	(+/-) 0.6%	(+/-) 0.2%	ISO 10545-2
2	Thickness	(+/-) 5%	(+/-) 3.0%	ISO 10545-2
3	Straightness Of Sides	(+/-) 0.5%	(+/-) 0.2%	ISO 10545-2
4	Rectangularity	(+/-) 0.5%	(+/-) 0.1%	ISO 10545-2
5	Surface Flatness	(+/-) 0.5%	(+/-) 0.1%	ISO 10545-2
6	Glossiness (Only for polished products)	Declared By Manufacturer	92-105%	ISO 2813 (Gloss Meter)
7	Surface Quality	Min. 95% tiles should be free from defects	Min. 98% tiles free from defects	ISO 10545-2
PHYSICAL CHARACTERSTICS				
8	Water Absorption	E (>/-) 0.5%	(>/-) 0.05%	ISO 10545-3
9	Moh's Hardness	(>/-) 6	(>/-) 6	ISO 10545-3
10	Moisture Expansion	Nil	Nil	ISO 10545-10
11	Abrasion Resistance	Declared By Manufacturer	Min Class 3	ISO 10545-7
MECHANICAL CHARACTERSTICS				
12	Flexural Strength (MOR)	(>/-) 35 N/mm2 (350 kg/cm2)	(>/-) 37 N/mm2 (370 Kg/cm2)	ISO 10545-4
13	Breaking Strength	1300 Newton	2000 Newton	ISO 10545-4
14	Impact Resistance	Declared By Manufacturer	No Identation or Cracking	ISO 10545-5
SAFETY CHARACTERSTICS				
15	Skid Resistance (Dynamic Friction Coefficient)	R10	R10	ISO 10545-17
16	Density	(>/-) 2.0 Gm/cc	(>/-) 2.1 Gm/cc	Dn 51082
THERMO PHOTO CHARACTERISTICS				
17	Thermal Shock Resistance	resistant To 10 Cycles	No Damage	ISO 10545-9
18	Frost Resistance	frost proof	No Damage	ISO 10545-12
19	Coefficient Of linear Thermal Expansion	9x10-6 K-1	< 6.5x10-6xK-1	ISO 10545-8
20	Color Resistance To UV Light	Resistant	Resistant	ISO 10545-16
CHEMICAL CHARACTERSTICS				
21	Chemical Resistance : HOUSEHOLD CHEMICALS & SWIMMING POOL SALTS	Min Class -GB Min Class-GLB	No Damage Confirm To Classes-GLA	ISO 10545-13
22	Chemical Resistance : LOW CONCENTRATIONS ACIDS & ALKALIS	Min Class- GHB	Confirm To Classes - GHA	ISO 10545-13
23	Chemical Resistance : HIGH CONCENTRATIONS ACIDS & ALKALIS	Min Class-3	Min Confirm To Class - 4	ISO 10545 -14
24	Stain Resistance			
PACKING DETAILS				
SLAB	DIMENSIONS (MM)	AREA (SQ.MT.)	WEIGHT (APPROX.)	AREA (SQ.FT.)
1	1200 x 2400	2.88	60 kgs	31 Sqft.