

TECHNICAL SPECIFICATIONS - GLAZE 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 CHARACTERISTICS				
8	Water Absorption	E(+/-)0.5%	(+/-)0.05%	ISO 10545-3
9	Moh's Hardness	(+/-)16	(+/-)16	ISO 10545-3
10	Moisture Expansion	Nil	Nil	ISO 10545-10
11	Abrasion Resistance	Declared By Manufacturer	Min Class 3	ISO 10545-7
MECHANICAL CHARACTERISTICS				
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 Identification or Cracking	ISO 10545-5
SAFETY CHARACTERISTICS				
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 ⁻⁶ K ⁻¹	ISO 10545-8
20	Color Resistance To UV Light	Resistant	Resistant	ISO 10545-16
CHEMICAL CHARACTERISTICS				
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- CHB	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			
DIMENSIONS (MM)				
SLAB		AREA (SQ. MT.)	WEIGHT (APPROX)	AREA (SQ. FT.)
1200x2400	1	2.88	60 kgs	31 Sqft.



Resistance to Heat



9mm Thickness



Flexural Strength



Resistance to UV Rays



Stain Resistant



Hygienic and Scratch Resistant Surface



Frost Resistant



Lightweight



Chemical Resistant



Waterproof Surface