

TECHNICAL SPECIFICATIONS:

Sr. No.	Characteristics	International Std. Iso 13006 / En 14411 Group B1a	Specification Simero Tiles	Method Of Testing
Dimensions & Surface Quality				
1	Length	±0.6%	±0.1%	Iso 10545-2
2	Thickness	±5%	±3.0%	Iso 10545-2
3	Straightness Of Sides	±0.5%	±0.1%	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	≥ 6	≥ 6	Iso 10545 -3
10	Moisture Expansion	Nil	Nil	Iso 10545-10
11	Abrasion Resistance	Declared By Manufacturer	Pei 3~5(Depend On Product)	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 Indentation Or Cracking	Iso 10545 -5
Safety Characteristics				
15	Skid Resistance(Dynamic Friction Coefficient)	≥ 0.4	≥ 0.4	Iso 10545 -17
16	Density	≥ 2.0 Gm/cc	> 2.3 Gm/cc	Din 51082
Thermo Photo Characteristics				
17	Thermal Shock Resistance	Resistant To 10 Cycles	Pass Min10 Cycles	Iso 10545 -9
18	Frost Resistance	Frost Proof	Need To Comply With The Standard	Iso 10545 -12
19	Coefficient Of Linearthermal Expansion,	9x10-6 K -1	< 5.86x10-6 K -1	Iso 10545-8
20	Color Resistance To Uv Light	Resistant	Resistant	Iso 10545 -16
Chemical Characteristics				
1	Chemical Resistance : House Hold Chemicals & Swimming Pool Salts	Min Class- Gb	Confirm To Classes-ga	Iso 10545 -13
2	Chemical Resistance : Low Concentrations Acids & Alkalis	Min Class- G1b	Confirm To Classes-g1a	Iso 10545 -13
3	Chemical Resistance : High Concentrations Acids & Alkalis	Min Class- G1b1	Confirm To Classes-g1a1	Iso 10545 -13
4	Stain Resistance	Min Class-3	Min Confirm To Class -4	Iso 10545 -14

PACKAGING INFO.:

Dimension (mm)	Slab	Square Metre	Weight (Approx)
800 x 1600 mm	2	2.56	54 kgs
800 x 2400 mm	2	3.84	80 kgs
1200 x 1200 mm	2	2.88	60 kgs
1200 x 2400 mm	1	2.88	60 kgs