

Specifications

PACKING DETAILS

Size (cm)	Thickness (mm)	Tiles / Box	Sqm/Box	Boxes/Pallet	Sqm/Pallet	Approx. Weight / Box (Kg)	Approx. Weight / Pallet (Kg)
120x240	9	01	2.88	40	115.20	62	2566

TECHNICAL SPECIFICATIONS

S.no.	Technical Characteristics	ISO 13006:2012/EN14411 Group Bia Standard's Requirement	Our Value	Test Method
Dimension & Surface Quality				
1	length	± 0.60 %	± 0.10 %	ISO 10545-2
2	Thickness	± 5.00 %	± 3.00 %	ISO 10545-2
3	Straightness in side	± 0.50 %	± 0.10 %	ISO 10545-2
4	Rectangularity	± 0.50 %	± 0.10 %	ISO 10545-2
5	Surface flatness	± 0.50 %	± 0.15 %	ISO 10545-2
6	Glossiness (only Polished Products)	Declared by Manu.	95 - 105%	ISO 2813 (Gloss Meter)
7	Surface quality	95% of the tiles shall be free from visible defects	95% of the tiles shall be free from visible defects	ISO 10545-2
Physical Characteristics				
8	Water absorption	E ≤ 0.5 %	E ≤ 0.5 %	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 Manu.	Pei 3~5 (Declared on product)	ISO 10545-7
Mechanical Characteristics				
12	Flexural strength(MOR)	≥ 35N/mm ² (350kg/cm ²)	≥ 37N/mm ² (370kg/cm ²)	ISO 10545-4
13	Breaking strength	1300 Newton	2000 Newton	ISO 10545-4
14	Impact resistance	Declared by Manu.	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 Min. 10 cycles	ISO 10545-9
18	Frost resistance	Frost Proof	Need to comply with the standard	ISO 10545-12
19	Coefficient of Linear thermal 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				
21	Chemical resistance: House Hold Chemicals & Swimming Pool Salts	Min. Class - GB	Confirm to Classes - GB	ISO 10545-13
22	Chemical resistance: Low Concentrations Acids & Alkalis	Min. Class - GIB	Confirm to Classes - GIB	ISO 10545-13
23	Chemical resistance: High Concentrations Acids & Alkalis	Min. Class - GHB	Confirm to Classes - GHB	ISO 10545-13
24	Stain resistance	Min. Class - 3	Min. Confirm to Class - 3	ISO 10545-14

Resistance to acids & alkalis (Exception of Hydrofluoric acid & its compounds)

** Porcelain tiles have resistance to most of the stains / chemicals but, it is recommended to take due care while laying and for day-to-day maintenance.

- Colours in the catalogue are as accurate as printing process allows. Please check actual tile sample before making the final selection.
- Sizes mentioned in the catalogue are nominal sizes only.
- No claim will be entertained once the tiles are fixed.
- For better laying, please follow the instructions on the packaging box.
- In case it is required to lay the tiles on wall or floor in STAGGERED PATTERN, then always lay them in Overlap 20:80 ratio, as shown in VISUAL 1 instead of Brick pattern (overlap 50:50 ratio), as shown in VISUAL 2.
- Please make sure to check the shade/finish with the sales agent/dealer before making the final purchase because there might be variation in actual finish and that shown in the catalogue. The company will not bear any loss in such case.



VISUAL 1



VISUAL 2

