Specifications

PACKING DETAILS

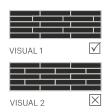
Size (cm)	Thickness (mm)	Tiles / Box	Sqm/Box	Boxes/Pallet	Sqm/Pallet	Approx. Weight / Box (Kg)	Approx. Weight / Pallet (Kg)
120x240	9	01	2.88	40	115.20	62	2566

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/mm² (350kg/cm²)	≥ 37N/mm² (370kg/cm²)	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)

- 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.



^{**}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.