

Specifications

PACKING DETAILS

Size (cm)	Thickness (mm)	Tiles / Box	Sqm/Box	Boxes/Pallet	Sqm/Pallet	Approx. Weight / Box (Kg)	Approx. Weight / Pallet (Kg)
60x120	8.5	2	1.44	30	43.20	27	810
60x120	8.5	2	1.44	30	43.20	29.50	885

TECHNICAL SPECIFICATIONS FULL BODY

S. No.	Property	Group Bla - ISO 13006/EN-176	Group Bla IS : 15622:2017	Our Value	Test According to
Dimensions & surface Quality					
1.	Deviation in length and width	± 0.6%	± 0.1%	± 0.1%	ISO 10545:2/IS:13630 (P-1)
2.	Deviation in thickness	± 5%	± 5%	± 4%	ISO 10545:2/IS:13630 (P-1)
3.	Deviation in Straightness of sides	± 0.5%	± 0.1%	± 0.1%	ISO 10545:2/IS:13630 (P-1)
4.	Deviation in Rectangularity	± 0.5%	± 0.1%	± 0.1%	ISO 10545:2/IS:13630 (P-1)
5.	Deviation in Surface Flatness	± 0.5%	± 0.5%	± 0.2%	ISO 10545:2/IS:13630 (P-1)
6.	Surface Quality (%)	Minimum 95%	Minimum 95%	No visible defects	ISO 10545:2/IS:13630 (P-1)
Physical characteristics					
7.	Scratch Hardness of surface Moh's scale	Required	Min. 5	Min. 5	EN-101/IS:13630 (P-13)
8.	Water absorption	≤0.5%	Averages 0.08, Individual maximum, 0.1%	≤0.05%	ISO 10545:3/IS: 13630 (P-2)
9.	Moisture Expansion	Nil	0.02 Max	Nil	ISO 10545:10
10.	Deep Abrasion	max 175 mm ³	max 140 mm ³	≤140 mm ³	ISO 10545:6/IS:13630 (P-12)
Mechanical characteristics					
11.	Breaking strength	1300 N	Min 1300	≥ 2000N	ISO 10545:4/IS: 13630 (P-6)
12.	Modulus of rupture	≥ 35 N/mm ²	Average 35, Individual minimum 32	≥ 35 N/mm ²	ISO 10545:4/IS: 13630 (P-6)
Safety characteristics Density					
13.	Density	Required	Min 2.20 gm/cc	2.34 gm/cc	DIN 51082/IS: 13630 (P-2)
14.	Skid resistance (Friction coefficient)	≥ 0.4	-	≥ 0.4	ISO 10545:17
Thermo photo characteristics					
15.	Thermal shock resistance	Resistant to 10 cycles	Min 10 cycles	Pass min 10 cycles	ISO 10545:9/IS: 13630 (P-5)
16.	Co efficient of thermal expansion	9×10 ⁻⁶ K ⁻¹ Max	6×10 ⁻⁶ K ⁻¹ Max	<6×10 ⁻⁶ K ⁻¹ Max	ISO 10545:8/IS:13630 (P-4)
17.	Frost resistance	Resistant	Required	Resistant	ISO 10545:12/IS: 13630 (P-10)
18.	Color Resistance to UV light	Resistant	-	Resistant	DIN 51094
Chemical characteristics characteristics					
19.	Stain Resistance	Min Class 3	Required	Min conform to class 4	ISO 10545:14
20.	Chemical Resistance HOUSE HOLD CHEMICAL & SWIMMING POOL SALT	min class-UB	Required	Conform to classes-UA	ISO 10545:13/IS:13630 (P-7)
21.	Chemical Resistance LOW CONCENTRATIONS ACID & ALKALIES	min class-ULB	Required	Conform to classes-ULA	ISO 10545:13/IS:13630 (P-7)
22.	Chemical Resistance HIGH CONCENTRATIONS ACID & ALKALIES	min class-UHB	Required	Conform to classes-UHA	ISO 10545:13/IS:13630 (P-7)

* 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.

Resistance to acids & alkalis (Exception Hydrofluoric Acids & its Compounds)

- Colours in the catalog are as accurate as printing process allows
- Sizes mentioned in the catalog are the nominal sizes only.
- Conforming to ISO requirements, technical specifications for Kajaria tiles are applicable only for 1st quality tiles.
- Please inspect all tiles prior to installation; company will not entertain complaints, once tiles are laid / fixed.
- For better laying, please follow the instructions on the packaging box.