

Packing Details		
Dimensions mm	No of Slabs (Tiles)/Box	Coverage area in M <sup>2</sup>
800X1600	02	2.56 M <sup>2</sup>
600X1200	03	2.16 M <sup>2</sup>
200X1200	06	1.44 M <sup>2</sup>
800X800	03	1.92 M <sup>2</sup>
600X600	04	1.44 M <sup>2</sup>

### TECHNICAL SPECIFICATION

S.No.	Technical Characteristics	* IS 15622:2017, *EN 14411:2016 & ISO 13006:2018 Group B1a (Annex G) Standard's Requirement	Kajaria Eternity Tile's Specifications	Test method
1	Deviation in length & width	± 0.1 %	± 0.10 %	IS 13630-1
		± 0.6 %/ ± 0.3 %		EN ISO 10545-2
2	Deviation in thickness	± 5.0 %	± 4.00 %	IS 13630-1
				EN ISO 10545-2
3	Deviation in Straightness of sides	± 0.1 %	± 0.10 %	IS 13630-1
		± 0.5 %/± 0.3 %		EN ISO 10545-2
4	Deviation in Rectangularity	± 0.1 %	± 0.10 %	IS 13630-1
		± 0.5 %/± 0.3 %		EN ISO 10545-2
5	Deviation in Surface Flatness	± 0.5 %	± 0.15 %	IS 13630-1
		± 0.5 %/± 0.4 %		EN ISO 10545-2
6	Surface quality	95% of the tiles shall be free from visible defects	95% of the tiles shall be free from visible defects	IS 13630-1 EN ISO 10545-2
7	Modulus of rupture	Avg. 35 N/mm <sup>2</sup> , individual Min 32 N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>	IS 13630-6 /EN ISO 10545-4
8	Breaking strength	Minimum 1300 N	≥ 2000 N	IS 13630-6 /EN ISO 10545-4
9	Bulk Density	Minimum 2.20 g/cc	≥ 2.25 g/cc	IS 13630-2
10	Glossiness	Manufacture to state the class	Min 5 for Rustic/Matt/Satin Finish Min 90 for Polish Finish	Glossimeter 60 degrees
11	Water Absorption	≤ 0.08 %, Individual Max 0.1% ≤ 0.5 %, Individual Max. 0.6 %	≤ 0.08 %, Individual Max 0.1%	IS 13630-2 / EN ISO 10545-3
12	Resistance to surface abrasion of Glazed tiles	Minimum Class II	PEI-Class III to Class IV	IS 13630-11
		Report abrasion class and cycles passed		EN ISO 10545-7
13	Thermal expansion from ambient temperature to 100 °C	Test method available	6x10 <sup>-6</sup> K <sup>-1</sup> Maximum	IS 13630-4
				EN ISO 10545-8
14	Thermal shock resistance	10 cycles Minimum	10 cycles Minimum	IS 13630-5
		Test method available		EN ISO 10545-9
15	Moisture expansion	Maximum 0.02 Millimeter/Metre	Nil	IS 13630-3
		Test method available		EN ISO 10545-10
16	Crazing resistance (Glazed Tiles)	Passes 4 cycles at 7.5 kg/cm <sup>2</sup>	Passes 4 cycles at 7.5 kg/cm <sup>2</sup>	IS 13630-9
		Required		EN ISO 10545-11
17	Frost resistance	Required	100 cycles Minimum	IS 13630-10
				EN ISO 10545-12
18	Resistance to Household Chemicals & Swimming Pool Salts #	Minimum Class AA	Minimum Class AA	IS 13630-8
		Minimum GB		EN ISO 10545-13
19	Resistance to low & high concentration of acids & alkalis #	Manufacturer to state classification	Minimum Class AA GLB, GHB	IS 13630-8
				EN ISO 10545-13
20	Stain resistance**	Minimum Class 1	Minimum Class 1	IS 13630-8
		Class 3		EN ISO 10545-14
21	Slipperiness	Test method available	≥ R-10 for Rustic/Matt/Satin Finish ≥ R-9 for Polish Finish	DIN 51130:2014
22	Co-efficient of friction	Manufacture to state the class	> 0.34 for Rustic/Matt/Satin Finish > 0.20 for Polish Finish	ISO 10545-17
23	Scratch hardness of surface(Moh's scale)	Minimum 5	Min 5	IS 13630-13
		Test method available		EN 101
24	Impact Resistance	Minimum 0.55	No identification of cracking	IS 13630-14
		Test method available		EN ISO 10545-5

\*\*Vitrified 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 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.

