

SPECIFICATIONS

Work Size		Pieces/Box (nos.)	Coverage/Box (sq.mtrs.)	Weight/Sq. Mtr. (kgs.)
Dimensions (in mm)	Thickness (in mm)			
300x600	9.8	05	0.90	21.11

CERAMIC TILES TECHNICAL SPECIFICATION - ISO Standard 13006:2012 & IS 15622:2017

S.No.	TEST DESCRIPTION	ISO STANDARD 13006:2012	IS 15622 :2017	KAJARIA STANDARD	STANDARD TEST METHOD
1	Deviation in length & Width	Max. \pm 0.60%	Max. \pm 0.10%	Max. \pm 0.10%	ISO 10545-2 IS 13630 Part 1
2	Deviation in Thickness	Max. \pm 5.0%	Max. \pm 5.0%	Max. \pm 4.0%	ISO 10545-2 IS 13630 Part 1
3	Deviation in Straightness of Sides	Max. \pm 0.50%	Max. \pm 0.10%	Max. \pm 0.10%	ISO 10545-2 IS 13630 Part 1
4	Deviation in Rectangularity	Max. \pm 0.50%	Max. \pm 0.10%	Max. \pm 0.10%	ISO 10545-2 IS 13630 Part 1
5	Surface Flatness (Center & Edge curvature)	Max. \pm 0.50%	Max. \pm 0.50%	Max. \pm 0.50%	ISO 10545-2 IS 13630 Part 1
6	Warpage	Max. \pm 0.50%	Max. \pm 0.50%	Max. \pm 0.50%	ISO 10545-2 IS 13630 Part 1
7	Surface Quality	Min 95% free from visible defects	Min 95% free from visible defects	Min 95% free from visible defects	ISO 10545-2 IS 13630 Part 1
8	Water Absorption	3% < Average \leq 6 %	3% < Average \leq 6 %	Max - 3.5 %	ISO 10545- 3 IS 13630 Part 2
9	Moisture Expansion	Test Method Available	0.03 mm/m Max	0.006 mm/m Max	ISO 10545-10 IS 13630 Part 3
10	Linear Termal Expansion	Test Method Available	$\leq 9 \times 10^{-6} K^{-1}$	$\leq 9 \times 10^{-6} K^{-1}$	ISO 10545-8 IS 13630 Part 4
11	Thermal Shock Resistance	10 Cycle Min	10 Cycle Min	10 Cycle Min	ISO 10545-9 IS 13630 Part 5
12	Breaking Strength	\geq 1000 N	\geq 1000 N	\geq 1500 N	ISO 10545-4 IS 13630 Part 6
13	Modulus of Rupture	Average Min - 22 N/mm ² Individual min - 20 N/mm ²	Average Min - 22 N/mm ² Individual min - 20 N/mm ²	Average Min - 32 N/mm ² Individual min - 30 N/mm ²	ISO 10545-4 IS 13630 Part 6
14	Resistance to Chemical	Min Class GB	Min Class AA	Min Class AA	ISO 10545- 13 IS 13630 Part 8
15	Resistance to stain	Min Class 3	Min Class 1	Min Class 1	ISO 10545-14 IS 13630 Part 8
16	Crazing Resistance	Required	Min. 4 cycles @ 7.5 bar	Min. 4 cycles @ 7.5 bar	ISO 10545-11 IS 13630 Part 9
17	Resistance to Surface Abrasion	Report Abrasion Class And cycle passed	Class II Min	Min Class -III	ISO 10545-7 IS 13630 Part 11
18	Scratch Hardness (Moh,s scale)	NA	Min 4	Min 5	IS 13630 Part 13
19	Impact Resistance(COR)	Test Method Available	0.55 Min	0.78 Min	ISO 10545-5 IS 13630 Part 14
20	Frost Resistance	Test Method Available	Required, if agreed to between manufacturer and purchaser	100 Cycle Passed	ISO 10545-12 IS 13630 Part 10
21	Lead and Cadmium Release	Test Method Available	NA	Cd - <1 ppm , Pb - 52 ppm	ISO 10545-15