

Work Size		Pieces / Box (nos.)	Coverage / Box (sq. mtrs.)	Weight / Sq. Mtr. (kgs.)
Dimensions (in mm)	Thickness (in mm)			
600X1200mm (GRESTOUGH)	11.00	02	1.440	23.47
800X800mm (GRESTOUGH)	10.50	02	1.280	22.58
600X600mm (GLAM)	9.30	04	1.440	20.28
600X600mm (DIGITAL)	9.20	04	1.440	20.28
600X600mm (TOPAZ)	9.20	04	1.440	20.00
300X600mm (HD MATT)	9.40	05	0.900	20.22

CERAMIC TILES TECHNICAL SPECIFICATION - GROUP B IIa , ISO Standard 13006:2018 & IS 15622 :2017

S.No.	Test Description	Standard Test Method	ISO Standard 13006:2018	IS 15622 :2017	Kajaria Standard
1	Deviation in length & Width	ISO 10545-2/ IS 13630 Part 1	Max. ±0.30%	Max. ± 0.10%	Max. ± 0.10%
2	Deviation in Thickness	ISO 10545-2 / IS 13630 Part 1	Max. ± 5.0%	Max. ± 5.0%	Max. ± 4.0%
3	Deviation in Straightness of Sides	ISO 10545-2 / IS 13630 Part 1	Max. ±0.30%	Max. ± 0.10%	Max. ± 0.10%
4	Deviation in Rectangularity	ISO 10545-2 / IS 13630 Part 1	Max. ±0.30%	Max. ± 0.10%	Max. ± 0.10%
5	Surface Flatness (Center& Edge curvature)	ISO 10545-2/ IS 13630 Part 1	Max. ± 0.40%	Max. ± 0.50%	Max. ± 0.40%
6	Warpage	ISO 10545-2 / IS 13630 Part 1	Max. ± 0.40%	Max. ± 0.50%	Max. ± 0.40%
7	Surface Quality	ISO 10545-2 / IS 13630 Part 1	Min 95% free from visible defects	Min 95% free from visible defects	Min 95% free from visible defects
8	Water Absorption	ISO 10545- 3 / IS 13630 Part 2	3% < Average ≤ 6 %	3% < Average ≤ 6 %	Max - 3.5 %
9	Moisture Expansion	ISO 10545-10 / IS 13630 Part 3	Test Method Available	0.03 mm/m Max	0.006 mm/m Max
10	Linear Termal Expansion	ISO 10545-8 / IS 13630 Part 4	Test Method Available	≤9X10 <sup>-6</sup> K <sup>-1</sup>	≤9X10 <sup>-6</sup> K <sup>-1</sup>
11	Thermal Shock Resistance	ISO 10545-9/ IS 13630 Part 5	Test Method Available	10 Cycle Min	10 Cycle Min
12	Breaking Strength	ISO 10545-4/IS 13630 Part 6	≥ 1000 N	≥ 1000 N	≥ 1500 N
13	Modulus of Rupture	ISO 10545-4 / IS 13630 Part 6	Average Min -22 N/mm <sup>2</sup> Individual min - 20 N/mm <sup>2</sup>	Average Min -22 N/mm <sup>2</sup> Individual min - 20 N/mm <sup>2</sup>	Average Min -32 N/mm <sup>2</sup> Individual min - 30 N/mm <sup>2</sup>
14	Resistance to Chemical	ISO 10545- 13 /IS 13630 Part 8	Min Class B	Min Class AA	Min Class AA
15	Resistance to stain	ISO 10545-14 / IS 13630 Part 8	Min Class 3	Min Class 1	Min Class 1
16	Crazing Resistance	ISO 10545-11 / IS 13630 Part 9	Required	Min. 4 cycles @ 7.5 bar	Min. 4 cycles @ 7.5 bar
17	Resistance to Surface Abrasion	ISO 10545-7 / IS 13630 Part 11	Report Abrasion Class And cycle passed	Min Class II	Min Class III
18	Scratch Hardness (Moh,s scale)	IS 13630 Part 13	NA	Min 4	Min 5
19	Impact Resistance(COR)	ISO 10545-5 / IS 13630 Part 14	Test Method Available	0.55 Min	0.78 Min
20	Frost Resistance	ISO 10545-12/ IS 13630 Part 10	Test Method Available	Required , if agreed to between manufacturer and purchaser	100 Cycle Passed
21	Lead and Cadmium Release	ISO 10545-15	Test Method Available	NA	Cd - <1 ppm , Pb - 52 ppm