















SPECIFICATIONS

30X45 CM

Work Size		Pieces/Box (nos.)	Coverage/Box (sq.mtrs.)	Weight/Sq. Mtr. (kgs.)
Dimensions (in mm)	Thickness (in mm)			
300x450 (Digital)	7.90	06	0.810	13.64

DIGITAL WALL TILES TECHNICAL SPECIFICATION - EN Standard 14411:2016 B III , ISO Standard 13006:2012 & IS 15622 :2017

S.No.	Test Description	Standard Test method	EN Standard 14411:2016	ISO Standard 13006:2012	IS 15622 :2017	Kajaria Standard
 1	Deviation in length & Width	ISO 10545-2/ IS 13630 Part 1	Max. ±0.50%	Max. ± 0.50%	Max. ± 0.20%	Max. ± 0.20%
 2	Deviation in Thickness	ISO 10545-2 / IS 13630 Part 1	Max. ± 10.0%	Max. ± 10.0%	Max. ± 5.0%	Max. ± 5.0%
 3	Deviation in Straightness of Sides	ISO 10545-2 / IS 13630 Part 1	Max. ± 0.30%	Max. ± 0.30%	Max. ± 0.15%	Max. ± 0.15%
 4	Deviation in Rectangularity	ISO 10545-2 / IS 13630 Part 1	Max. ± 0.50%	Max. ± 0.50%	Max. ± 0.20%	Max. ± 0.20%
 5	Surface Flatness (Center& Edge curvature)	ISO 10545-2/ IS 13630 Part 1	Max. +0.50% ,-0.30 %	Max. +0.50% ,-0.30 %	Max. ± 0.30%	Max. ± 0.30%
6	Warpage	ISO 10545-2 / IS 13630 Part 1	Max. ± 0.50%	Max. ± 0.50%	Max. ± 0.30%	Max. ± 0.30%
 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	Min 95% free from visible defects
 8	Water Absorption	ISO 10545- 3 / IS 13630 Part 2	Average ≥ 10 %	Average ≥ 10 %	Average ≥ 10 %	Average ≥ 10 %
9	Moisture Expansion	ISO 10545-10 / IS 13630 Part 3	Declared Value	Test Method Available	0.04 mm/m Max	0.01 mm/m Max
10	Linear Thermal Expansion	ISO 10545-8 / IS 13630 Part 4	Declared Value	Test Method Available	≤9X10 ⁻⁶ K ⁻¹	≤9X10 ⁻⁶ K ⁻¹
 11	Thermal Shock Resistance	ISO 10545-9/ IS 13630 Part 5	10 Cycle Min	Test Method Available	10 Cycle Min	10 Cycle Min
 12	Breaking Strength	ISO 10545-4/IS 13630 Part 6	≥ 600 N	≥ 600 N	≥ 600 N	≥ 700 N
 13	Modulus of Rupture	ISO 10545-4 / IS 13630 Part 6	≥ 12 N/mm ²	≥ 12 N/mm ²	≥ 12 N/mm ²	≥ 18 N/mm ²
 14	Resistance to Chemical	ISO 10545- 13 /IS 13630 Part 8	Min Class A	Min Class GB	Min Class AA	Min Class AA
 15	Resistance to stain	ISO 10545-14 / IS 13630 Part 8	Min Class 3	Min Class 3	Min Class 1	Min Class 1
 16	Crazing Resistance	ISO 10545-11 / IS 13630 Part 9	Required	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	Abrasion Class And cycle passed	Report Abrasion Class And cycle passed	Manufacture to State Classification	Min Class - II
18	Scratch Hardness (Moh,s scale)	IS 13630 Part 13	NA	NA	Min 3	Min 3
19	Impact Resistance(COR)	ISO 10545-5 / IS 13630 Part 14	Declared Value	Test Method Available	0.55 Min	0.68 Min
20	Frost Resistance	ISO 10545-12/ IS 13630 Part 10	Declared Value	Test Method Available	NA	100 Cycle Passed
21	Lead and Cadmium Release	ISO 10545-15	Declared Value	Test Method Available	NA	Cd - <1 ppm , Pb - 48 ppm