

# SPECIFICATIONS

60x120 cm

Work Size		Coverage area/Box (m <sup>2</sup> )	No. of Tiles/Box	Avg. Wt./Box (Kgs.)approx	Avg. Wt./sq.mtr. (Kgs.)approx
Dimensions (in mm)	Thickness (in mm)				
600x1200 (Rectified)	10.00	1.44	2 Pcs	32.30	22.43

## Comparison of Kajaria Tiles parameters to International Standards Blb ISO:13006:2018-09












	S.No.	Characteristics	Group Blb-ISO 13006:2018-09		Our Value	Method of Testing
			Nominal size (N) N ≥ 15 cm			
			%	mm		
	1	Deviation in Length & Width	± 0.3	± 1.0	± 1.0 mm	ISO-10545-2
	2	Deviation in Thickness	± 5.0	± 0.5	± 0.5 mm	ISO-10545-2
	3	Deviation in Straightness of Sides	± 0.3	± 0.8	± 0.8 mm	ISO-10545-2
	4	Deviation in Rectangularity	± 0.3	± 1.5	± 1.5 mm	ISO-10545-2
	5	Surface Flatness				
		a. Centre Curvature (max.)	± 0.4	± 1.8	± 1.8 mm	ISO-10545-2
		b. Edge Curvature (max.)	± 0.4	± 1.8	± 1.8 mm	ISO-10545-2
		c. Corner Warpage (max.)	± 0.4	± 1.8	± 1.8 mm	ISO-10545-2
	6	Surface Quality	A min. 95% of the tiles are to be free from visible defects		A min. 95% of the tiles are to be free from visible defects	ISO-10545-2
	7	Water Absorption	0.5% < Eb ≤ 3.0% Ind. Max. 3.3%		2.0 - 3.0%	ISO-10545-3
	8	Abrasion Resistance	Report abrasion class and cycles passed		PEI class 3 min.	ISO-10545-7
	9	Modulus of Rupture N/mm <sup>2</sup>	Min. 30, Individual min. 27		Min. 30, Individual min. 27	ISO-10545-4
	10	Breaking Strength (in Newtons)	a. Thickness ≥ 7.5 mm, not less than 1100 b. Thickness ≤ 7.5 mm, not less than 700		Thickness ≥ 7.5 mm, not less than 1100	ISO-10545-4
	11	Crazing Resistance	Required		4 cycle at 7.5 bar min.	ISO-10545-11
	12	Resistance to Staining	Min. class 3		Min. class 3	ISO-10545-14
	13	Resistance to Chemical	Test method available		Resistant to specified chemicals	ISO-10545-13
	14	Moisture Expansion in millimeters per metre	Test method available		Negligible	ISO-10545-10
	15	Thermal Shock Resistance	Test method available		No damage	ISO-10545-9

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## SPECIFICATIONS

40x80 cm | 40x40 cm

Work Size		Coverage/Box (m <sup>2</sup> )	No. of Tiles/Box	Weight/Box (Kgs.)approx	Weight/sq.mtr. (Kgs.)approx
Dimensions (in mm)	Thickness (in mm)				
400x800 (Rectified)	11.00	0.96	3	17.20	17.92
400x400 (Rectified)	9.50	0.96	6	15.20	15.83

















Comparison of Kajaria Tiles parameters to indian Standards IS:15622:2017			
Characteristics	IS:15622:2017	Our Value	Method of Testing
 Deviation in Length & Width	Max. $\pm$ 0.2%	Max. $\pm$ 0.2%	IS:13630 (Part -1)
 Deviation in Thickness	Max. $\pm$ 5.0%	Max. $\pm$ 5.0%	IS:13630 (Part -1)
 Surface flatness (Warpage)	Max. $\pm$ 0.3%	Max. $\pm$ 0.3%	IS:13630 (Part -1)
 Rectangularity (Squareness)	Max. $\pm$ 0.2%	Max. $\pm$ 0.2%	IS:13630 (Part -1)
 Water Absorption	$\geq$ 10%	$\geq$ 10%	IS:13630 (Part -2)
 Scratch Hardness of Surface (Mohs)	Min. 3	Min. 3	IS:13630 (Part -13)
 Resistance to Surface Abrasion (of tiles intended for use on Floors)	Class II, min	PEI Group II	IS:13630 (Part -11)
 Crazeing Resistance	Min. 4 cycles @ 7.5 bar	Min. 4 cycles @ 7.5 bar	IS:13630 (Part -9)
 Chemical Resistance	Required, if agreed	Resistant to all acids and alkalies (except HF and its compounds)	IS:13630 (Part -8)
 Modulus of Rupture(N/mm <sup>2</sup> ) Tile thickness $\geq$ 7.5 mm Tile thickness $\leq$ 7.5 mm	12 N/mm <sup>2</sup> 15 N/mm <sup>2</sup>	12 N/mm <sup>2</sup> 15 N/mm <sup>2</sup>	IS:13630 (Part -6)
 Thermal Shock Resistance	Min. 10 cycles	Min. 10 cycles	IS:13630 (Part -5)

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# SPECIFICATIONS

60x60 cm

Work Size		Coverage/Box (m <sup>2</sup> )	No. of Tiles/Box	Weight/Box (Kgs.)approx	Weight/sq.mtr. (Kgs.)approx
Dimensions (in mm)	Thickness (in mm)				
600x600 (Digital)Rectified	9.50	1.44	4	29.50	20.49

Comparison of Kajaria Tiles parameters to indian Standards (Group B II a) IS:15622:2017					
	S.No.	Characteristics	IS:15622:2017	Our Value	Method of Testing
	1	Deviation in Length & Width	Max. ± 0.1%	Max. ± 0.1%	IS: 13630-1
	2	Deviation in Thickness	Max. ± 5.0%	Max. ± 5.0%	IS: 13630-1
	3	Deviation in Straightness of sides	Max. ± 0.1%	Max. ± 0.1%	IS: 13630-1
	4	Deviation in Rectangularity	Max. ± 0.1%	Max. ± 0.1%	IS: 13630-1
	5	Surface Flatness	Max. ± 0.5%	Max. ± 0.5%	IS: 13630-1
	6	Surface Quality	Min. 95% free from visible defects.	Min. 95% free from visible defects.	IS: 13630-1
	7	Water Absorption	Avg. $3 < E \leq 6\%$ Individual max. 6.2%	Avg. $3 < E \leq 6\%$ Individual max. 6.2%	IS: 13630-2
	8	Scratch Hardness (Moh's Scale)	Min. 4	Min. 4	IS: 13630-13
	9	Abrasion Resistance	Class II Min.	As per the abrasion class indicated in catalogue	IS: 13630-11
	10	Crazing Resistance	4 cycle at 7.5 bar min	4 cycle at 7.5 bar min.	IS: 13630-9
	11	Modulus of Rupture N/mm <sup>2</sup>	Avg. 22, Individual 20, Min.	Avg. 22, Individual 20, Min.	IS: 13630-6
	12	Breaking Strength, in N	600, min. for thickness < 7.5 mm 1000, min. for thickness ≥ 7.5 mm	1000, min. for thickness ≥ 7.5 mm	IS: 13630-6
	13	Chemical Resistance	Required, if agreed	Resistant to all acids and alkalis (except hydrofluoric acid and its compounds)	IS: 13630-8
	14	Thermal Shock Resistance	Min. 10 cycles	Min. 10 cycles	IS: 13630-5
	15	Resistance to Household Chemicals	Class AA, min	Class AA, min	IS: 13630-8
	16	Resistance to Staining	Class 1, min	Class 1, min.	IS: 13630-8

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