

## TECHNICAL SPECIFICATIONS Pavers/Parking Tiles

Packing Details			
Size ( In mm. )	No. of Tiles Per Carton	Covered Area Per Carton	
		( In Sq. Mtr. )	( In Sq. ft. )
400X400 (SKD)	5	0.8	8.62
300x300- Digital /Non Digital (SKD)	10	0.9	9.69
300x300- Cool Tile (SKD)	10	0.9	9.69

Characteristics	Testing Methods	Required as per IS 15622:2017 0.08 < E ≤ 3 ( Group B Ib)		OBL Norms	
				400x400 mm	300x300 mm
<b>Dimension &amp; Surface Quality</b>					
Deviation in Length & Width	IS 13630 (Part 1)	± 0.4 %	± 0.1 %	± 0.1 % (Max)	± 0.1 %
Deviation in Thickness		± 5.0 %		±3.0% (Max)	±4.0%
Straightness of Sides		± 0.3 %	± 0.1 %	± 0.1 % (Max)	± 0.1 %
Rectangularity		± 0.3 %	± 0.1 %	± 0.1 % (Max)	± 0.1 %
Surface Flatness		± 0.5 %		± 0.2 % (Max)	± 0.2 % 😊😊
Surface Quality		Min. 95 % of the tiles shall be free from visible defects that would impair the appearance of a major area of the tile		Conforms	Conforms
<b>Physical Properties</b>					
Water Absorption %	IS 13630 (Part 2)	Avg 0.08 < E ≤ 3%, Individual 3.3 % Max		Avg ≤2%	Max 2% 😊
Modulus of Rupture in [N/mm <sup>2</sup> ]	IS 13630 (Part 6)	Avg 30, Individual 27 Min		Min 38 N/mm <sup>2</sup>	Min 36 N/mm <sup>2</sup> 😊😊
Breaking Strength in N		700 Min for thickness < 7.5 mm, 1100 Min for thickness ≥ 7.5 mm		Min 2000 N	Min 1600 N 😊😊
Moisture Expansion	IS 13630 (Part 3)	0.02, Max		Conform	Conform
Scratch Hardness (Moh's Scale)	IS 13630 (Part 13)	5, Min		Conform	Min 6 😊
Resistance to Surface Abrasion of Glazed Tiles Class I to V (Applicable for floor applications only)	IS 13630 (Part 11)	Class II, Min		Conform	Class III to V (Depending on surface)
Linear thermal expansion Co-efficient	IS 13630 (Part 4)	7x10 <sup>-6</sup> ,Max		7x10 <sup>-6</sup> ,Max	Conform
Thermal Shock Resistance	IS 13630 (Part 5)	10 cycles, Min		Passed	Conform
Impact Resistance	IS 13630 (Part 14)	0.55, Min		0.75	Min 0.60 😊
Bulk density, in g/cc	IS 13630 (Part 2)	2.0, Min		2.2 Min	2.2 Min
Frost Resistance	IS 13630 (Part 10)	Required if agreed to between manufacturer and purchaser		50 Cycles Passed	Passes
<b>Chemical Properties</b>					
Resistance to staining of Glazed Tiles	IS 13630 (Part 8)	Class I, Min		Min Class I	Min Class I
Resistance to Household Chemicals		Class AA, Min		Min Class AA	Min Class AA
Resistance to acids and alkalis (Except HF)		Required, if agreed		Min Class AA	Min Class AA