



















Technical Specification

CHARACTERISTICS	Requirement as per ISO 13006:2018 Gr BIII E >10.0%	Requirement as per IS 15622:2017 Gr BIII E >10.0%	AGL Value	Test Method
(A) DIMENSION & SURFACE QUALITY				
 Deviation In Length & Width	± 0.3%, ± 1.0 mm	± 0.2%	± 0.1%	ISO 10545 Part-2 IS 13630 Part-1
 Deviation In Thickness	± 10.0%, ± 0.5 mm	± 5.0%	± 3.0%	ISO 10545 Part-2 IS 13630 Part-1
 Straightness of Edge	± 0.3%, ± 0.8 mm	± 0.15%	± 0.15%	ISO 10545 Part-2 IS 13630 Part-1
 Rectangularity	± 0.3%, ± 1.5 mm	± 0.20%	± 0.15%	ISO 10545 Part-2 IS 13630 Part-1
 Surface Flatness	± 0.4%, ± 1.8 mm	± 0.3%	± 0.22%	ISO 10545 Part-2 IS 13630 Part-1
 Surface Quality	Min. 95% of Tiles shall be free from visible defects that would impair the appearance of a major area of the tiles	Min. 95% of Tiles shall be free from visible defects that would impair the appearance of a major area of the tiles	Min. 95% of Tiles shall be free from visible defects that would impair the appearance of a major area of the tiles	ISO 10545 Part-2 IS 13630 Part-1
(B) PHYSICAL & THERMAL PROPERTIES				
 Water Absorption % By Wt.	> 10.0%, Ind. 9.0% Min.	> 10.0, Ind. 9.0 Min.	15 - 20%	ISO 10545 Part-3 IS 13630 Part-2
 Flexural Strength (MOR) In N/mm ²	Min. 15	Min. 15	≥ 15 N/mm ²	ISO 10545 Part-4 IS 13630 Part-6
 Breaking Strength in N	600 N Min.	600 N Min.	> 700 N	ISO 10545 Part-4 IS 13630 Part-6
 Resistance to Surface Abrasion	Manufacturer to State Class	PEI II Min.	Min. PEI III	ISO 10545 Part-7 IS 13630 Part-11
 Co-efficient of Linear Thermal Expansion from ambient temp to 100°C (K-1)	9x10 ⁻⁶ Max.	9x10 ⁻⁶ Max.	≤ 9x10 ⁻⁶	ISO 10545 Part-8 IS 13630 Part-4
 Thermal Shock Resistance	10 Cycle Min.	10 Cycle Min.	No Damage after 10 Cycles	ISO 10545 Part-9 IS 13630 Part-5
 Moisture Expansion in mm/M	Test Method Available	0.04 Max.	0.02 Max.	ISO 10545 Part-10 IS 13630 Part-3
 Craze Resistance	Required	4 Cycles at 7.5 bar Min.	Resistance	ISO 10545 Part-11 IS 13630 Part-9
 Moh'S Scratch Hardness	Min. 3	Min. 3	≥ 3	EN 101 IS 13630 Part-13
(C) CHEMICAL PROPERTIES				
 Resistance To Household Chemicals	No Damage	Min. Class AA	Class AA	ISO 10545 Part-13 IS 13630 Part-8
 Resistance To Acids & Alkalis (Except HF Acid)	No Damage	Min. Class AA	Class AA	ISO 10545 Part-13 IS 13630 Part-8
 Stain Resistance	Min. Class 3	Min. Class 1	Class 1	ISO 10545 Part-14 IS 13630 Part-8

Packing Specification (Digital Wall & Floor)

Type	Size (mm)	Thickness (mm)	Weight (Kg.)	No. of Tiles / Set	Area Sq. mtr./ Box
Special Effects	600x300mm	09 mm	16.5 Kg.	06 pcs.	1.08m ²
Wall Decor	600x300mm	09 mm	16.5 Kg.	06 pcs.	1.08m ²
	450x300mm	08 mm	11.3 Kg.	06 pcs.	0.81m ²
Wall Tiles	600x300mm	09 mm	16.5 Kg.	06 pcs.	1.08m ²
	450x300mm	08 mm	11.3 Kg.	06 pcs.	0.81m ²
	375x248mm	7.2 mm	9.3 Kg.	08 pcs.	0.744m ²
	300x200mm	6.2 mm	9.5 Kg.	15 pcs.	0.9m ²
	300x300mm	08 mm	11.3 Kg.	09 pcs.	0.81m ²
	300x300mm	6.2 mm	9.5 Kg.	15 pcs.	0.9m ²