

TECHNICAL SPECIFICATION

Standards according to ISO 13006 / EN 14411 / IS 15622-2017 (Group B1a): Dry - Pressed Ceramic Tiles (Glazed Vitrified Tiles)

CHARACTERISTIC	TEST METHOD	REQUIREMENTS	QUTONE STANDARD
DIMENSIONS & SURFACE QUALITY			
Deviation in Length & Width	ISO-10545-02	± 0.10%	Within Criteria
Deviation in Thickness	ISO-10545-02	± 5.00%	Within Criteria
Straightness of Sides	ISO-10545-02	± 0.10%	Within Criteria
Rectangularity	ISO-10545-02	± 0.10%	Within Criteria
Surface Flatness	ISO-10545-02	± 0.50%	Within Criteria
Surface Quality	ISO-10545-02	Min. 95% of the Tiles shall be free from visible defects that would impair the appearance of a major area of the Tiles	Within Criteria
PHYSICAL PROPERTIES			
Water Absorbption	ISO 10545-03	Average 0.08%, Individual 0.10% Max.	Within Criteria
Modulus of Rapture	ISO 10545-04	R ≥ 15 N/mm ²	Compliant
Breaking Strength	ISO 10545-04	Min. 1300 N	Compliant
Moisture Expansion	IS 13630-03	0.02 Max.	Compliant
Moh's Hardness	EN 101	Min. 5	Compliant
Surface Abration Resistance	IS 10545-07	Class II Min.	Compliant
Linear Thermal Expansion	IS 10545-08	Max. 6.0 x 10 ⁻⁶	Compliant
Thermal Shock Resistance	ISO 10545-09	Min. 10 Cycles	Compliant
Crazing Resistance	ISO 10545-11	4 Cycles at 7.5 Bar Min.	Compliant
Impact Resistance	ISO 10545-05	0.55 Min.	Compliant
Frost Resistance	ISO 10545-12	Required	Compliant
Resistance to Deep Abration (Unglazed Tiles)	ISO 10545-6	175 Max.	Compliant
Bulk Density	IS 15622-2	2.20 g/cc	Compliant
CHEMICAL PROPERTIES			
Resistance to High & Low Concentrations of Acids & Alkalis	ISO 10545-13	As per Mfg.	No visible effect
Resistance to household chemicals & swimming pool Salts	ISO 10545-13	Min. GB	Compliant
Stain Resistance	ISO 10545-14	Min. Class 3	Compliant

Disclaimer: Product images shown in this Catalogue are for Design Representation. All efforts are made to show accurate colour of the product but actual product colour may differ from the printed image due to printing limitations. It is advised to see the product samples for actual colour reference • Shade variation is inherent characteristic of ceramic products. Hence different sizes and batches of same design may have variation in Colours • Please follow the Tile Laying instructions printed on the box before installing the Tiles • Company may change the designs, colours, randomness or book-match without prior intimation • Due to continuous technology upgrade technical specification of the products may change without prior intimation.