

Technical Specification

Grestek / Crystal Collection / Vitrified Tiles

CHARACTERISTIC			
DIMENSION & SURFACE QUALITY	International Specifications ISO 13006/EN 176 Group & IS 15622 : 2006	ASIAN VALUE	METHOD OF TESTING
Deviation In Length	±0.6%	±0.1%	ISO 10545 Pt 2
Deviation In Thickness	±5%	±2%	ISO 10545 Pt 2
Straightness Of Sides	±0.5%	±0.1%	ISO 10545 Pt 2
Rectangularity	±0.6%	±0.2%	ISO 10545 Pt 2
**Surface Flatness	±0.5%	±0.2%	ISO 10545 Pt 2
**Glossiness	-	Min. 80% Reflection	Glossmeter
PHYSICAL & THERMAL PROPERTIES			
Water Absorption	<0.5%	<0.05%	ISO 10545 Pt 3
Mohs Hardness	>6	8	EN 101
Flexural Strength	35 N/mm ²	>46 N/mm ²	ISO 10545 Pt 4
Abrasion Resistance	<175 mm	<144mm ³	ISO 10545 Pt 6
**Skid Resistance (Friction Coefficient)	>0.4	>0.4	ISO 10545 Pt 17
Breaking Strength	1113 N	2800 N	ISO 10545 Pt 4
Density (g/cc)	>2.0	>2.4	ISO 10545 Pt 3
Frost Resistance	Frost Proof	Frost Proof	ISO 10545 Pt 9
Thermal Shock Resistance	No Damage	No Damage	ISO 10545 Pt 9
Thermal Expansion	<9 x 10	<6 x 10 ⁶	ISO 10545 Pt 8
Moisture Expansion	Nil	Nil	ISO 10545 Pt 10
CHEMICAL PROPERTIES			
Chemical Resistance	No Damage	No Damage	ISO 10545 Pt 13
Colour Resistance	No Damage	No Damage	DIN 51094
Stain Resistance	Resistant	Resistant	ISO 10545 Pt 14

** These parameters are not applicable for GRESTEK* Vitrified Tiles.

Packing Details

No.	Sizes	925x925mm	605x605mm	302.5x605mm
01	Thickness (mm) Approx	12.2 mm	10 mm	10 mm
02	Weight Per Box. (Kgs.) Approx	48	32	24
03	No. of Tiles Per Box	2	4	6
04	Sq. Mtr. Per Box	1.71	1.46	1.09

For Individual Decorative Tile in GRESTEK range please refer with Marketing department



CORRIDORS/HALLS



AIRPORT TERMINALS



DISCOTHEQUES



SHOPPING MALLS



INDUSTRIES



RELIGIOUS PLACES



PUBS & BARS



GYMNASIUMS



HOTELS



OFFICES



SUPER MARKETS



DOMESTIC



SCHOOLS