

Technical Specification

CHARACTERISTIC	STANDARD AS PER ISO-13006/EN14411 GROUP B1a IS-15622:2017	MEAN VALUE OF SIMPOLO DOUBLE CHARGE	TEST METHOD
Regulatory Properties			
Deviation In Length & Width	± 0.50%	± 0.10%	ISO-10545-2
Deviation In Thickness	± 5.00%	± 4.00%	ISO-10545-2
Straightness Of Sides	± 0.50%	± 0.10%	ISO-10545-2
Rectangularity	± 0.50%	± 0.10%	ISO-10545-2
Surface Flatness	± 0.50%	± 0.20%	ISO-10545-2
Color Differences	Unaltered	No Change	ISO-10545-16
Glossiness	As Per Mfg.	Min. 90%*	Glossometer
Surface Quality	Min. 95% tiles should be free from visible defect	Conforms	ISO-10545-2
Structural Properties			
Water Absorption	≤ 0.50%	E ≤ 0.05%	ISO-10545-3
Apparent Density	> 2.00 g/cc	> 2.28 g/cc	DIN 51082
Massive Mechanical Properties			
Modulus of Rupture	Min 35N/mm ²	Min. 40N/mm ²	ISO-10545-4
Breaking Strength	Min. 1300 N	Min. 1600 N	ISO-10545-4
Impact Resistance	As Per Mfg.	Min. 0.55	ISO-10545-5
Surface Mechanical Properties			
Deep Abrasion Resistance	Max. 175 mm ²	Max. 132 mm ²	ISO-10545-6
Moh's Hardness	Min. 6	≥ 6*	EN 101
Thermo Hygrometric Properties			
Frost Resistance	No Damage	Fort Proof	ISO-10545-12
Thermal Shock Resistance	No Damage	No Damage	ISO-10545-9
Moisture Expansion	Nil	Nil	ISO-10545-10
Thermal Expansion(COE)	Max. 9x10 ⁻⁶	Max. 6.5x10 ⁻⁶	ISO-10545-8
Chemical Properties			
Chemical Resistance	No Damage	No Damage*	ISO-10545-13
Stain Resistance	Resistant	Resistant*	ISO-10545-14
Safety Properties			
Slip Resistance(friction Co Efficient)	> 0.40	> 0.40	ISO-10545-17

* Glossiness 90 % with Nano Technology, * For Unpolished Vitrified Tile, * Except Hydrofluoric Acid & it's compound, * With Nano Technology

Packing Details

PRODUCT	SIZE	TILES / BOX	COVERAGE AREA / BOX
SIMPOLO DOUBLE CHARGE TILES	1000x1000mm	2 pcs.	2.00 sq. mtr.
	800x1500mm	2 pcs.	2.40 sq. mtr.
	800x1200mm	2 pcs.	1.92 sq. mtr.
	800x800mm	3 pcs.	1.92 sq. mtr.
	600x600mm	4 pcs.	1.44 sq. mtr.