



## Technical Specification

Type : Glazed Porcelain Tile  
 Size : 60x60cm, 60x120cm, 80x80cm  
 Surface : Polished, Matt  
 Design Name : RUFUS

CHARACTERISTICS		ISO TEST METHODS	VITRIFIED TILES REQUIREMENT AS PER ISO 13006 Bla / EN14411 Bla	TIEIC VALUE : Polished Surface	TIEIC VALUE : Matt Surface
<b>A Regulatory Properties</b>					
	Deviation in Length & Width	ISO 10545-2	+/- 0.5 %	+/- 0.1 %	+/- 0.1 %
	Deviation in Thickness	ISO 10545-2	+/- 5.0 %	+/- 5.0 %	+/- 5.0 %
	Straightness of sides	ISO 10545-2	+/- 0.5 %	+/- 0.1 %	+/- 0.1 %
	Rectangularity	ISO 10545-2	+/- 0.6 %	+/- 0.1 %	+/- 0.1 %
	Surface Flatness	ISO 10545-2	+/- 0.5 %	+/- 0.2 %	+/- 0.2 %
	Color Difference	ISO 10545-2	Unaltered	No Change	No Change
	Glossiness	Glossometer	As per mfg	min 90%	min 4%
<b>B Physical Properties</b>					
	Water Absorption	ISO 10545-3	<= 0.5 %	<= 0.20 %	<= 0.20 %
	Flexural Strength (MOR)	ISO 10545-4	>= 35 N mm <sup>2</sup>	>= 40 N mm <sup>2</sup>	>= 40 N mm <sup>2</sup>
	Flexural Breaking Strength	ISO 10545-4	> 1300 N	> 1500 N	> 1500 N
	Impact Resistance	ISO 10545-5	As per mfg	Min 0.55	Min 0.55
	Apparent Density	DIN 51082	> 2.0 g/cc	> 2.10 g/cc	> 2.10 g/cc
	Mohs Hardness	EN 101	As per mfg	>= 4	>= 5
	Non Slip Classification	DIN 51130	As per mfg	NA	NA
	Slip Resistance Coefficient of Friction	ISO 10545-17	As per mfg	>= 0.4	>= 0.4
	Surface Abrasion Resistance	ISO 10545-7	As per mfg	Min Class 3	Min Class 4
<b>C Chemical Properties</b>					
	Stain Resistance	ISO 10545-14	Resistant	Resistant	Resistant
	Chemical Resistance	ISO 10545-13	No Change	No Change	No Change
<b>D Thermal Properties</b>					
	Frost Resistance	ISO 10545-12	No Damage	No Damage	No Damage
	Thermal Shock Resistance	ISO 10545-9	No Change	No Change	Passed
	Thermal Expansion (COE)	ISO 10545-8	9x10 <sup>-6</sup> Max	6.5x10 <sup>-6</sup> Max	6.5x10 <sup>-6</sup> Max
	Moisture Expansion	ISO 10545-10	Nil	Nil	Passed
	Crazing Resistance	ISO 10545-11	Min 10 Cycle	Min 10 Cycle	Min 10 Cycle