


FINISH: POLISHED

PORCELAIN TILES W.A. < 0.5%
SIZE: 800X800 mm THICKNESS: 8.5 mm RECTIFIED.
DESIGN: SMOKE WHITE

TECHNICAL SPECIFICATION 800X800mm

CHARACTERISTIC	STANDARD AS PER ISO-13006/En14411 GROUP Bla	MEAN VALUE POLISHED GVT STANDARDS	MEAN VALUE RESULTS	TEST METHOD
A. REGULARITY PROPERTIES				
A.1 Deviation in length & width	+/-0.5%	+/-0.1%	+/-0.1%	ISO- 10545-2
A.2 Deviation in thickness	+/-0.5%	+/-0.4%	+/-0.4%	ISO- 10545-2
A.3 Straightness inside	+/-0.5%	+/-0.1%	+/-0.1%	ISO- 10545-2
A.4 Rectangularity	+/-0.6% +/-0.5%	+/-0.1% +/-0.2%	+/-0.1% +/-0.2%	ISO- 10545-2 ISO- 10545-2
A.5 Colour difference	Unaltered	No Change	No Change	ISO-10545-16
A.6 Glossiness	As Per Mfg	Min 90%	Min 94%	Glossy Meter
B. STRUCTURAL PROPERTIES				
B.1 Water Absorption	< 0.50%	< 0.20%	< 0.20%	ISO – 10545-3
B.2 Apparent Density	> 2.0 g/cc	> 2.10 g/cc	> 2.10 g/cc	DIN 51082
C. MASSIVE MECHANICAL PROPERTIES				

C.1 Modulus of rupture	Min. 35 N/mm ²	Min. 40 N/mm ²	Min. 40 N/mm ²	ISO – 10545-4
C.2 Breaking strength	Min. 1300 N	Min. 2000 N	Min. 2000 N	ISO – 10545-4
C.3 Impact resistance	As per Mfg	Min. 0.55	Min. 0.55	ISO – 10545-4



D. SURFACE MECHANICAL PROPERTIES

D.1 MOSH scale hardness	As Per Mfg	Min.4	Min.4	En 101
D.2 Surface abrasion resistance (PEI)	CLASS II	CLASS II	CLASS II	ISO – 10545-7

E. THERMO HYGROMETRIC PROPERTIES

E.1 Frost Resistance	No Damage	No Damage	No Damage	ISO – 10545-12
E.2 Thermal Shock Resistance	No Damage	No Damage	No Damage	ISO – 10545-9
E.3 Moisture Expansion	Null	Null	Null	ISO – 10545-10
E.4 Thermal Expansion (COE)	Max.9.0 x 10 ⁻⁶ °C ⁻¹	Max.6.5 x 10 ⁻⁶ °C ⁻¹	Max.6.5 x 10 ⁻⁶ °C ⁻¹	ISO – 10545-8
E.5 Craze Resistance	As Per Mfg	Min. 10 Cycle	Min. 10 Cycle	ISO – 10545-11

F. CHEMICAL PROPERTIES

F.1 Chemical Resistance	No Damage	No Damage	No Damage	ISO – 10545-13
F.2 Stain Resistance	Resistant	Resistant	Resistant	ISO – 10545-14

G. SAFETY PROPERTIES				
G.1 Fire Resistance	As Per Mfg	Fireproof	Fireproof	N.A
G.2 Lead & Cadmium Given Off By Glazed Tiles	As Per Mfg	Does Not Yield pb & cd	Does Not Yield pb & cd	ISO-10545-15

