

























# TECHNICAL SPECIFICATION OF BINAKA GLOSSY 600X1200MM

A.	CHARACTERISTIC REGULATORY PROPERTIES	STANDARD AS PER ISO - 13006/ EN14411 GROUP BIIa	MEAN VALUE OF LYCOS POLISHED PORCELAIN	MEAN VALUE OF LYCOS RUSTIC PORCELAIN	TEST METHOD
	Deviation in length & width	±0.5 %	±0.1 %	±0.1 %	ISO-10545-2
	Deviation in thickness	±5.0 %	±4.0 %	±4.0 %	ISO-10545-2
	Straightness in side	±0.5 %	±0.1 %	±0.1 %	ISO-10545-2
	Rectangularity	±0.5 %	±0.1 %	±0.1 %	ISO-10545-2
	Surface flatness	±0.5 %	±0.2 %	±0.2 %	ISO-10545-2
	Color difference	Unaltered	No change	No change	ISO-10545-16
	Glossiness	As per mfg	Min 90%	Min 4%	GLOSSOMET
B.	STRUCTURAL PROPERTIES				
	Water absorption	≤ 0.50 %	≤ 0.20 %	≤ 0.20 %	ISO-10545-3
	Apparent density	> 2.0 g/cc	> 2.10 g/cc	> 2.10 g/cc	DIN 51082
C.	MASSIVE MECHANICAL PROPERTIES				
	Modulus of rupture	Min. 35 N/mm <sup>2</sup>	Min. 40 N/mm <sup>2</sup>	Min. 40 N/mm <sup>2</sup>	ISO-10545-4
	Breaking strength	Min. 1300 N	Min. 2000 N	Min. 2000 N	ISO-10545-4
	Impact resistance	As per mfg.	Min. 0.55	Min. 0.55	ISO-10545-5
D.	SURFACE MECHANICAL PROPERTIES				
	Surface abrasion resistance	As per mfg	Min. Class-3	Min. Class-4	ISO-10545-7
	MOH's hardness	As per mfg	Min. 4	Min. 5	EN 101
E.	THERMO HYGROMETRIC PROPERTIES				
	Frost resistance	No damage	No damage	No damage	ISO-10545-12
	Thermal shock resistance	No damage	No damage	No damage	ISO-10545-9
	Moisture expansion	Nil	Nil	Nil	ISO-10545-10
	Thermal expansion (COE)	Max. 9.0 x 10 <sup>-6</sup>	Max. 6.5 x 10 <sup>-6</sup>	Max. 6.5 x 10 <sup>-6</sup>	ISO-10545-8
	Crazing resistance	As per mfg	Min. 10 Cycle	Min. 10 Cycle	ISO-10545-11
F.	CHEMICAL PROPERTIES				
	Chemical resistance	No damage	No damage	No damage	ISO-10545-13
	Stain resistance	Resistant	Resistant	Resistant	ISO-10545-14
G.	SAFETY PROPERTIES				
	Slip resistance	As per mfg	> 0.40	> 0.40	ISO-10545-17
	Fire resistance	As per mfg	Fireproof	Fireproof	N. A.
	Lead & Cadmium given off by glazed tiles	As per mfg	Does not yield Pb & Cd	Does not yield Pb & Cd	ISO-10545-15