

TECHNICAL SPECIFICATION OF RAPHAEL SLAB VITRIFIED TILE

TEST DISCRIPTION	STANDARD AS PER ISO-13006/EN14411 GROUP BIA	MEAN VALUE OF RAPHAEL SLAB PGVT	MEAN VALUE OF RAPHAEL SLAB GVT
Deviation in lenght & width	±0.5 %	±0.1 %	±0.1 %
Deviation in thickness	±5.0 %	±4.0 %	±4.0 %
Straightness in side	±0.5 %	±0.1 %	±0.1 %
Rectangularity	±0.5 %	±0.1 %	±0.1 %
Surface flatness	±0.5 %	±0.2 %	±0.2 %
Color Difference	Unaltered	No change	No change
Glossiness	As per mfg.	Min. 90%	Min. 90%
Water absorption	≤0.50 %	≤0.05 % (±0.02 %)	≤0.05 % (±0.02 %)
Apparent density	>2.0 g/cc	>2.10 g/cc	>2.10 g/cc
Modulus of rupture	Min. 35 N/mm2	Min. 40 N/mm2	Min. 40 N/mm2
Breaking strenght	Min. 1300 N	Min. 3000 N	Min. 3000 N
Impact resistance	As per mfg.	Min. 0.55	Min. 0.55
Surface abrasion resistance	As per mfg.	Min. Class-3	Min. Class-3
MOH's hardness	As per mfg.	Min. 4	Min. 5
Frost resistance	No damage	No damage	No damage
Thermal shock resistance	No damage	No Damage	No Damage
Moisture expansion	Nil	Nil	Nil
Thermal Expansion (COE)	Max 9.0 x 10 ⁻⁶	Max. 6.5 x 10 ⁻⁶	Max. 6.5 x 10 ⁻⁶
Chemical Resistance	No damage	No damage	No damage
Stain resistance	Resistance	Resistant	Resistant
Slip resistance	As per mfg.	>0.40	>0.40