

TECHNICAL SPECIFICATION OF RAPHAEL SLAB VITRIFIED TILE

| TEST DISCRPTION | 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/mm ² | Min. 40 N/mm ² | Min. 40 N/mm ² |
| 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 |