

**Marmo Ice - 120x278cm 09mm - [mayceramica.com](http://mayceramica.com)**



**Color**

Beige

**Size**

120x278cm 09mm

**Material**

Porcelain

**Finishing**

Polished



| CHARACTERISTIC                            | STANDARD AS PER ISO-13006/EN14411 GROUP BIA | MAYYAS VALUE           | TEST METHOD         |
|-------------------------------------------|---------------------------------------------|------------------------|---------------------|
| REGULATORY PROPERTIES                     |                                             |                        |                     |
| Deviation in Length & Width:              | ± 0.5 %                                     | ± 0.10 %               | ISO- 10545-2        |
| Deviation in Thickness:                   | ± 5.0 %                                     | ± 4.0 %                | ISO- 10545-2        |
| Straightness in side:                     | ± 0.5 %                                     | ± 0.10 %               | ISO- 10545-2        |
| Rectangularity:                           | ± 0.5 %                                     | ± 0.10 %               | ISO- 10545-2        |
| Surface flatness Central curvature:       | ± 0.5 %                                     | ± 0.10 %               | ISO- 10545-2        |
| Surface flatness Edge curvature:          | ± 0.5 %                                     | ± 0.10 %               | ISO- 10545-2        |
| Surface quality:                          | > 95% defects free                          | > 95% defects free     | ISO- 10545-2        |
| Color difference:                         | ^F < 0.75                                   | No change              | ISO- 10545-2        |
| Glossiness (With Nano polished):          | As per mfg.                                 | > 90 degree            | GLOSSOMETER         |
| Glossiness (Without Nano polished):       | As per mfg.                                 | 7 < Gloss < 14 degree  | GLOSSOMETER         |
| Glossiness (Satin):                       | As per mfg.                                 | 15 < Gloss < 25        | GLOSSOMETER         |
| STRUCTURAL PROPERTIES                     |                                             |                        |                     |
| Water absorption:                         | < 0.50%                                     | < 0.05 %               | ISO- 10545-3        |
| Apparent density:                         | > 2.0 g/cc                                  | > 2.28 g/cc            | DIN 51082           |
| MASSIVE MECHANICAL PROPERTIES             |                                             |                        |                     |
| Modulus of rupture:                       | Min. 35 N/mm2                               | Min. 37 N/mm2          | ISO- 10545-4        |
| Breaking strength < 7.5:                  | Min. 700 N                                  | Min. 700 N             | ISO- 10545-4        |
| Impact resistance >7.5:                   | Min. 1300 N                                 | Min. 1600 N            | ISO- 10545-5        |
| SURFACE MECHANICAL PROPERTIES             |                                             |                        |                     |
| Surface abrasion resistance- Glossy:      | As per mfg.                                 | Min. Class 2           | ISO- 10545-7        |
| Surface abrasion resistance- Matt:        | As per mfg.                                 | Min. Class 3           | ISO- 10545-7        |
| MOH's hardness:                           | Min. 4                                      | Min. 4                 | EN 101              |
| THERMO HYGROMETRIC PROPERTIES             |                                             |                        |                     |
| Frost resistance:                         | As per mfg.                                 | Frost proof            | ISO- 10545-12       |
| Thermal shock resistance:                 | Min. 10 cycle                               | Min. 10 cycle          | ISO- 10545-9        |
| Moisture expansion:                       | Max 0.06                                    | Nil                    | ISO- 10545-10       |
| Thermal expansion (COE):                  | As per mfg.                                 | Max 6.5 x 10-6         | ISO- 10545-8        |
| Crazing resistance:                       | As per mfg.                                 | Min. 06 cycle          | ISO- 10545-11       |
| CHEMICAL PROPERTIES                       |                                             |                        |                     |
| Chemical resistance:                      | Min. Class 3                                | Min. Class 4           | ISO- 10545-14       |
| Stain resistance:                         | Min. Class GB                               | Min. Class GA          | ISO- 10545-13       |
| SAFTEY PROPERTIES                         |                                             |                        |                     |
| Slip resistance:                          | As per mfg.                                 | > 0.40                 | ISO- 10545-17       |
| Fire resistance:                          | As per mfg.                                 | Fireproof              | N. A                |
| Lead & Cadmium given off by glazed tiles: | As per mfg.                                 | Does not yield Pb & Cd | ISO- 10545-15       |
| SIZE                                      | THICKNESS                                   | TILE / BOX             | COVERAGE AREA / BOX |
| 120X278cm:                                | 09mm                                        | 1PC                    | 3.336 Sq. M         |
| 120X278cm:                                | 06mm                                        | 1PC                    | 3.336 Sq. M         |
| 120X280cm:                                | 09mm                                        | 1PC                    | 3.36 Sq. M          |
| 120X280cm:                                | 06mm                                        | 1PC                    | 3.36 Sq. M          |