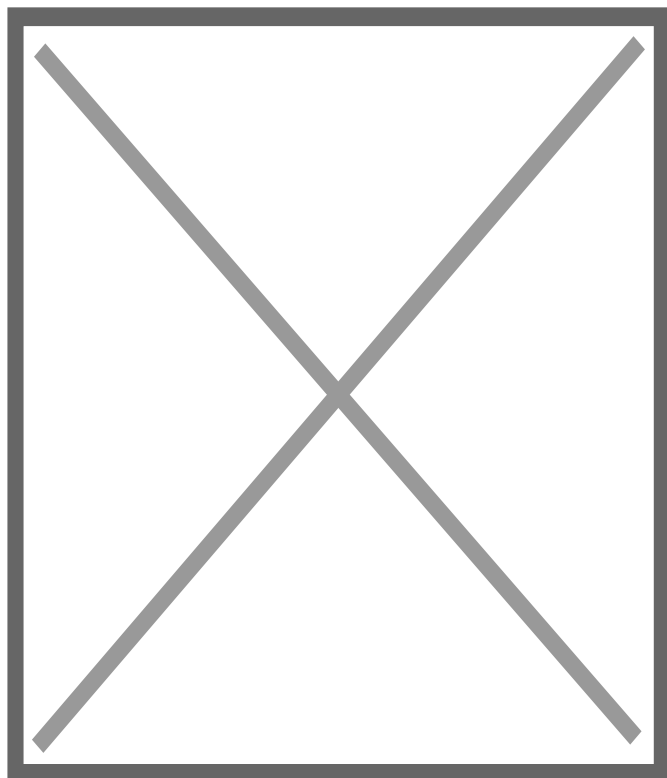


**058 F Saudi - 45X45cm 12mm - [mayceramica.com](http://mayceramica.com)**



**Color**

Grey

**Size**

45X45cm 12mm

**Material**

Ceramic

**Finishing**

Matt

| CHARACTERISTIC                            | STANDARD AS PER ISO-13006/EN14411 GROUP BIA | MAYYAS VALUE           | TEST METHOD         |
|-------------------------------------------|---------------------------------------------|------------------------|---------------------|
| REGULATORY PROPERTIES                     |                                             |                        |                     |
| Deviation in Length & Width:              | ± 0.2 %                                     | ± 0.6 %                | ISO- 10545-2        |
| Deviation in Thickness:                   | ± 4.0 %                                     | ± 0.5 %                | ISO- 10545-2        |
| Straightness in side:                     | ± 0.2 %                                     | ± 0.6 %                | ISO- 10545-2        |
| Rectangularity:                           | ± 0.15 %                                    | ± 0.6 %                | ISO- 10545-2        |
| Surface flatness:                         | ± 0.2 %                                     | ± 0.6 %                | ISO- 10545-2        |
| Color difference:                         | Unaltered                                   | No change              | ISO- 10545-16       |
| Glossiness:                               | As per mfg.                                 | Min 90 %               | GLOSSOMETER         |
| STRUCTURAL PROPERTIES                     |                                             |                        |                     |
| Water absorption:                         | < 3.5%                                      | < 3 %                  | ISO- 10545-3        |
| Apparent density:                         | > 2.0 g/cc                                  | > 2.10 g/cc            | DIN 51082           |
| MASSIVE MECHANICAL PROPERTIES             |                                             |                        |                     |
| Modulus of rupture:                       | Min. 33 N/mm2                               | Min. 22 N/mm2          | ISO- 10545-4        |
| Breaking strength:                        | Min. 1800 N                                 | Min. 1800 N            | ISO- 10545-4        |
| Impact resistance:                        | As per mfg.                                 | Min. 0.55              | ISO- 10545-5        |
| SURFACE MECHANICAL PROPERTIES             |                                             |                        |                     |
| Surface abrasion resistance:              | 1500 Rev                                    | As Class               | ISO- 10545-7        |
| MOH's hardness:                           | Min 6 - 9                                   | As Class               | EN 101              |
| THERMO HYGROMETRIC PROPERTIES             |                                             |                        |                     |
| Frost resistance:                         | Pass                                        | Required               | ISO- 10545-12       |
| Thermal shock resistance:                 | Pass                                        | Available              | ISO- 10545-9        |
| Moisture expansion:                       | Pass                                        | Available              | ISO- 10545-10       |
| Thermal expansion (COE):                  | Pass                                        | Available              | ISO- 10545-8        |
| Crazing resistance:                       | Pass                                        | Required               | ISO- 10545-11       |
| CHEMICAL PROPERTIES                       |                                             |                        |                     |
| Chemical resistance:                      | Class A                                     | Available              | ISO- 10545-13       |
| Stain resistance:                         | Class 5                                     | Min class 3            | ISO- 10545-14       |
| SAFTEY PROPERTIES                         |                                             |                        |                     |
| Slip resistance:                          | As per mfg.                                 | > 0.30                 | 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 |
| 60X60cm :                                 | 12mm                                        | 4 Pcs                  | 1.44 Sq. M          |
| 45X45cm:                                  | 12mm                                        | 10 Pcs                 | 2.025 Sq. M         |