

**Empire Gold - 160X320cm 12mm - mayceramica.com**

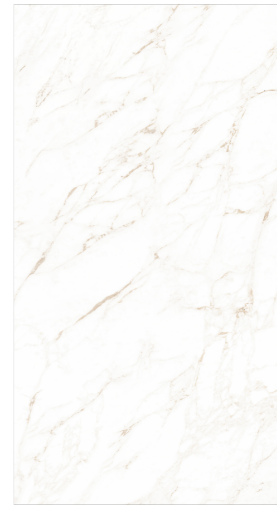


**Color** Gold, White

**Size** 160X320cm 12mm

**Material** Porcelain

**Finishing** Polished



**CHARACTERISTIC**
**STANDARD AS PER ISO-13006/EN14411 GROUP BIA**
**MAYYAS VALUE**
**TEST METHOD**
**REGULATORY PROPERTIES**

Deviation in Length & Width:	± 0.3 %	± 0.10 %	ISO- 10545-2
Deviation in Thicknes:	± 5.0 %	± 5.00 %	ISO- 10545-2
Straightness in side:	±0.3 %	±0.10 %	ISO- 10545-2
Rectangularity:	±0.3 %	±0.3 %	ISO- 10545-2
Surface flatness Central curvature:	±0.4 %	± 0.20 %	ISO- 10545-2
Surface flatness Edge curvature:	±0.4 %	± 0.20 %	ISO- 10545-2
Surface quality:	> 95% defects free	> 95% defects free	ISO- 10545-2
Color difference:	E < 1.00	E < 0.80	ISO- 10545-16
Glossiness (With polished):	As per mfg.	> 90 degree	GLOSSOMETER
Glossiness (Without polished):	As per mfg.	3 < Gloss < 7	GLOSSOMETER
Glossiness (Satin):	As per mfg.	7 < Gloss < 25	GLOSSOMETER

**STRUCTURAL PROPERTIES**

Water absorption:	< 0.50%	< 0.080 %	ISO- 10545-3
Apparent density:	As per mfg.	> Min 2.28 g/cc	ISO- 10545-3

**MASSIVE MECHANICAL PROPERTIES**

Modulus of rapture:	Min. 35 N/mm2	Min. 40 N/mm2	ISO- 10545-4
Breaking strength < 7.5:	Min. 700 N	Min. 700 N	ISO- 10545-4
Breaking strength > 7.5:	Min. 1300 N	Min. 6000 N	ISO- 10545-5

**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	Max 0.02	ISO- 10545-10
Thermal expansion (COE):	As per mfg.	Max 6.0 x 10-6	ISO- 10545-8
Crazing resistance:	4 cycle	4 cycle	ISO- 10545-11

**CHEMICAL PROPERTIES**

Chemical resistance:	Min. Class 3	Min. Class 3	ISO- 10545-14
Stain resistance:	Min. Class GB	Min. Class GB	ISO- 10545-13

**SAFETY PROPERTIES**

Slip resistance:	As per mfg.	Glossy P0, Matt P1	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**

160x320cm:	12mm	1 Pc	5.12 Sq. M
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