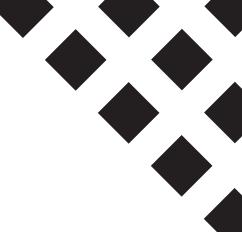


# <u>Griqua</u>

### **Product Name: Stoneware Porcelain**



## **Product Type: Glazed Floor Tiles**

FIGUUCI Name. Stoneware Porcelain				
ITEM	TEST METHOD	STANDARD REQUIREMENTS	RESULTS	
Product Size	ISO-10545-2		600mm x 1200mm x 10mm	
Thickness	ISO-10545-2	±5% (Max 0.45mm)	10±0.3mm	
Straightness of Side (mm)	ISO-10545-2	±0.5% (Max 1.5mm)	±0.5mm	
Rectangularity (Average)	ISO-10545-2	±0.5% (Max 2.0mm)	±1.5mm	
Centre Curvature (mm)	ISO-10545-2	±0.5% (Max 2.0mm)	-0.65mm ~ +1.3mm	
Edge Curvature	ISO-10545-2	±0.5% (Max 2.0mm)	-0.5mm ~ +1mm	
Warpage (mm)	ISO-10545-2	±0.5% (Max 2.0mm)	0.4mm ~ +0.7mm	
Water Absorption %	ISO-10545-3	0.5%< E ≤3%	Average: 1.2%	
Modulus of Rupture (Mpa)	ISO-10545-4	Average≥30N/MM2	Average≥38N/MM2	
Breaking Strength (N)	ISO-10545-4	Average≥1100N	Average≥1850N	
Abrasion Resistance (PEI Rating)	ISO-10545-7	≥Class3	Class4	
Linear Thermal Expansion	ISO-10545-8		Pass	
Resistance to Thermal shock	ISO-10545-9	Resistant	Resistant	
Moisture Expansion	ISO-10545-10		0.034% (mm/m)	
Resistance to Cracking	ISO-10545-11	No Cracking or Flaking	Resistant	
Frost Resistance	ISO-10545-12	No Cracking or Flaking	Resistant	
Chemical Resistance	ISO-10545-13	Resistant	Resistant	
Stain Resistance	ISO-10545-14	≥Class3	Class5	
Small Colour Difference	ISO-10545-16	Resistant	Resistant	
Slip Resistant	ISO-10545-17		R9	
Mohs Hardness	BS 6431-13-1986		Class5	

#### Applications

Product features are with good abrasion resistance and significant scratch hardness. As such, it is indicated for flooring in Public Commercial areas as well for domestic use.





## ISO 13006:2018 (E)

### Table 1 - Classification of ceramic tiles with respect to water absorption and shaping

Shaping	Group I Ev≤3%	Group II a 3% <ev≤6%< th=""><th>Group II b 6%<ev≤10%< th=""><th>Group III Ev&gt;10%</th></ev≤10%<></th></ev≤6%<>	Group II b 6% <ev≤10%< th=""><th>Group III Ev&gt;10%</th></ev≤10%<>	Group III Ev>10%
A Extrued body	Group A I a Ev≤0.5% [see Annex M]	Group A ll a-1 <sup>a</sup> [see Annex B]	Group A ll b-1ª [see Annex D]	Group B III b [see Annex L]
	Group A I b 0.5% <ev≤3% [see Annex A]</ev≤3% 	Group A II a-2 <sup>a</sup> [see Annex C]	Group A II b-2ª [see Annex E]	
B Dry pressed body	Group B I a Ev≤0.5% [see Annex G]	Group B II a [see Annex J]	Group B ll b [see Annex K]	Group B III b [see Annex L]
	Group B I b 0.5% <ev≤3% [see Annex H]</ev≤3% 			

According to the ISO Standard, Etienne Tiles Belongs to Group I, (Blb), which is Stoneware Porcelain.