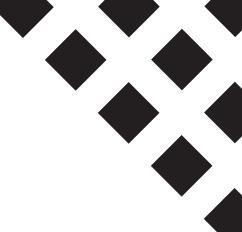


<u>Griqua</u>

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>10%</th></ev≤10%<></th></ev≤6%<>	Group II b 6% <ev≤10%< th=""><th>Group III Ev>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 ^a [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 ^a [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.