

GENESIS RECTIFIED PORCELAIN

Technical Specifications

Test	Standard Requirements	Test Results
Water Absorption UNI EN ISO 10545-03	Bla (GL) <=0.5%	< 0.5%
Breaking Strength UNI EN ISO 10545-04	Minimum: 1300 N	> 1300 N
Modulus of Rupture UNI EN ISO 10545-04	Minimum: 35 N/mm ²	> 35 N/mm ²
Shock Resistance UNI EN ISO 10545-05	Suggested Minimum: E>0.55	Resistant
Resistance to Deep Abrasion UNI EN ISO 10545-06	Maximum: 175 mm ³	175 mm ²
Linear Thermal Expansion UNI EN ISO 10545-08	As Reported	6 x 10 ⁻⁶ /°C ⁻¹
Thermal Shock Resistance UNI EN ISO 10545-09	Required	Resistant
Moisture Expansion UNI EN ISO 10545-10	As Reported	Resistant
Frost Resistance UNI EN ISO 10545-12	Required	Resistant
Chemical Resistance UNI EN ISO 10545-13	Domestic Chemical Products: GB / Acids and Alkalis: As reported	A/LA/HA
Stain Resistance UNI EN ISO 10545-14	Minimum: Class 3	Class 3
PEI Rating (Scratch Resistance) ASTM C 1027	As Reported	PEI III (ASH&STORM) PEI IV (DOVE&COCOA)
Dynamic Coefficient of Friction (DCOF) ANSI A137.1	For Level Interior Spaces Expected to be walked upon when wet >0.42	> 0.42
Shade Variation	-	V3
Thickness	-	9mm
Number of Screens	-	12" x 24" - 96 24" x 24" - 48 24" x 48" - 24 48" x 48" - 12 Groove Deco -12