

MACAEL RECTIFIED PORCELAIN

Technical Specifications

Test	Standard Requirements	Test Results
Water Absorption UNI EN ISO 10545-03	Bla (GL) $\leq 0.5\%$	$< 0.5\%$
Breaking Strength UNI EN ISO 10545-04	Minimum: 1300 N	1600 N - 2400 N
Modulus of Rupture UNI EN ISO 10545-04	Minimum: 35 N/mm ²	35 - 45 N/mm ²
Shock Resistance UNI EN ISO 10545-05	Suggested Minimum: E >0.55	Resists
Resistance to Deep Abrasion UNI EN ISO 10545-06	Maximum: 175 mm ³	Resists
Linear Thermal Expansion UNI EN ISO 10545-08	As Reported	Resists
Thermal Shock Resistance UNI EN ISO 10545-09	Required	Resists
Moisture Expansion UNI EN ISO 10545-10	As Reported	Resists
Frost Resistance UNI EN ISO 10545-12	Required	Resists
Chemical Resistance UNI EN ISO 10545-13	Domestic Chemical Products: GB / Acids and Alkalis: As reported	A
Stain Resistance UNI EN ISO 10545-14	Minimum: Class 3	Resists
PEI Rating (Scratch Resistance) ASTM C 1027	As Reported	IV
Dynamic Coefficient of Friction (DCOF) ANSI A137.1	For Level Interior Spaces Expected to be walked upon when wet >0.42	Applies to matte finish only: >0.42
Shade Variation	-	V2
Thickness	-	12"x24" - 9.5mm 24"x48" - 10.5mm 48"x48" - 10.5mm
Number of Screens	-	12" x 24" - 36 24" x 48" - 12 48" x 48" - 6