

Technical Data Sheet

Porcelain | 12mm

501 Snowdrift

PROPERTY	TEST STANDARD	RESULTS
Water Absorption	EN ISO 10545-3 ASTM C373	≤0.1%
Density	EN ISO 10545-3 ASTM C373	≥2.3 gr/cm ³
Flexural Strength	ASTM C880 /C880M EN 14617-2	≥ 35 MPa ≥ 50 MPa
Modulus of rupture	EN ISO 10545-4 ASTM C674	≥ 50 MPa ≥ 50 MPa
Breaking Strength	EN ISO 10545-4	≥ 5000 N
Impact Resistance	EN ISO 10545-5	≥ 0.85 (No defects)
Deep Abrasion Resistance	EN ISO 10545-6	≤ 175 mm ³
Frost Resistance	EN ISO 10545 -12	No defects are observed
Linear Thermal Expansion	EN ISO 10545 -8 EN 14617 -11 ASTM C372	≤ 6.5 x 10 ⁻⁶ °C ⁻¹
Thermal Conductivity	EN 12664	1.2 W/m·k (Average)
Thermal Shock	EN ISO 10545-9 ASTM C484-20	No damage observed
Stain Resistance	IAPMO Z124 -2017, ap 5.11 EN ISO 10545 -14 ASTM C1378	Pass ≥ Class 4 No affected
Chemical Resistance	EN ISO 10545 -13 ASTM C650	Class A (No visible effects) No affected
Crazing resistance for glazed tiles	EN ISO 10545 -11 ASTM C424	No defects are observed
Moisture expansion	EN ISO 10545 -10	≤ 0.13 mm/m
Surface Burning	ASTM E84	Class A -FSI: 0-25 ; SDI: 0-450
Fire Performance	AS 1530.3:1999	Ignitability Index (0-20): 0 Spread of Flame Index (0-10): 0 Heat Developed Index (0-10): 0 Smoke Developed Index (0-10):0-1
Fire Classification	EN 13501-1	A2-s-1, d-0
Lead and cadmium given off	ISO 10545 -15	0 mg/dm ³
Resistance to Fungi	ASTM G21	No fungi growth