

Range Name:

Portrait Gallery Stone

Ref: P+E-PGS-TDS-01

Technical specification of porcelain wall and floor tiles manufactured in accordance with the UNE-EN ISO standard, B1a group.

	Testing To Standard	Average Typical Values	Result
Physical Properties			
Group			Bla
Values According To			EN 14411
Material			Porcelain
Colours			Beige, Sand, Brown, Smoke, Dark Grey
Finish			Natural, Polished, Anti Slip
Size Formats (mm)		95 x 600, 290 x 490, 300 x 300, 300 x 600, 450 900, 600 x 600, , 900 x 900	
Thicknesses (mm)			Mixed
Rectified			Yes
Shade Variation			V2
Technical Properties			
Dimensions and Surface Quality			
Dimensions and Surface Aspect	UNE-EN-ISO 10545-2	Requested Value	Conforms
Water Absorption	ISO 10545-3	≤ 0.5%	0.1%
Modulus of Rupture	ISO 10545-4	≥ 35N/mm²	42 N/mm² - 450 x 900, 600 x 600 (20mm) 45 N/mm² - 300 x 600, 600 x 600, 900 x 900
Breaking Strength	ISO 10545-4	≥1300 N	1000 N - 600 x 600 (20mm) 2500N - 900 x 900 (9.5mm) 2200 N - 450 x 900 (9mm) 2000N - 300 x 600, 600 x 600 (8.5mm)
Deep Abrasion Resistance	ISO 10545-6	≤ 175mm³	139mm³
Linear Thermal Expansion	ISO 10545-8	Manufacturers Standard	α ≤7.5x10 ⁻⁶ °C ⁻¹
Thermal Shock Resistance	ISO 10545-9	Manufacturers Standard	Resistant
Frost Resistance	ISO 10545-12	Required	Resistant
Chemical Resistance Properties			
Resistance to Acids & Alkalis	ISO 10545-13	Manufacturers Standard	LA
Resistance to Household Chemicals	ISO 10545-13	Min Class B	Class A
Stain Resistance Properties			
Resistance to Staining	ISO 10545-14	Manufacturers Standard	4
Slip Rating			
Slip Resistance (Pendulum)	DIN 51130	Declared Value	Natural - R10 Polished - R9 Anti-Slip - R11
Pendulum Test Value (PTV)	NS7976	Declared Value	PTV+36

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	Testing To Standard	Average Typical Values	Result
Physical Properties			
Group			Bla
Values According To			EN 14411
Material			Porcelain
Colours			Beige, Sand, Brown, Smoke, Dark Grey
Finish			Natural
Size Formats (mm)			500 x 1000, 1000 x 1000, 1000 x 3000
Thicknesses (mm)			3.5
Rectified			Yes
Shade Variation			V2
Technical Properties			
Dimensions and Surface Quality			
Dimensions and Surface Aspect	UNE-EN-ISO 10545-2	Requested Value	Conforms
Water Absorption	ISO 10545-3	≤ 0.5%	0.1 %
Modulus of Rupture	ISO 10545-4	≥ 35N/mm²	50N/mm²
Deep Abrasion Resistance	ISO 10545-6	≤ 175mm³	Conforms
Linear Thermal Expansion Coefficient	ISO 10545-8	Manufacturers Standard	α ≤7x10 ⁻⁶ °C ⁻¹
Frost Resistance	ISO 10545-12	Declared Value	Resistant
Thermal Conductivity	EN 12524		λ = 1.3 W/m °K λ = 0.7 BTU/ft h °F
Chemical Resistance Properties			
Resistance to Chemicals	ISO 10545-13	Declared Value	LA - HA
Stain Resistance Properties			
Resistance to Staining	ISO 10545-14	Manufacturers Standard	5
Fire Resistance Properties			
Walls	EN 13823 EN 9239-1	CPR (UE) 305/2011, 2000/147/E, UNI EN 13501-1	Class A2-s1.d0
Floors	EN 13823 EN 9239-1	CPR (UE) 305/2011, 2000/147/E, UNI EN 13501-1	Class A2 _{s1} -s1
Slip Rating			
Slip Resistance (Pendulum)	DIN 51130	Declared Value	R9
Pendulum Test Value (PTV)		Declared Value	+36

