

Range Name:
Plaza Square Stone

Ref: P+E-PSS-TDS-01
Technical specification of ceramic wall tiles manufactured in accordance with the EN 14411 standard, B111 group.

	Testing To Standard	Average Typical Values	Result
Physical Properties			
Group			B11
Values According To			UNE-EN 14411:2016
Material			Red Body Ceramic
Colours			White, Ivory, Grey, Stone, Black
Finish			Matt
Size Formats (mm)			300 x 600
Thickness (mm)			8
Rectified			No
Shade Variation			V3
Technical Properties			
Dimensions and Surface Quality			
Water Absorption	UNE-EN-ISO 10545-3	Ev >10%	Complies
Breaking Strength	UNE-EN-ISO 10545-4	≥ 600 N	Complies
Modulus of Rupture	UNE-EN-ISO 10545-4	≥ 12 N/mm ²	Complies
Surface Abrasion	UNE-EN-ISO 10545-7	-	-
Cracking Resistance	UNE-EN-ISO 10545-11	Requested	Complies
Frost Resistance	UNE-EN-ISO 10545-12	-	-
Chemical Resistance Properties			
Low Concentrations of Acids	UNE-EN-ISO 10545-13	Declared Value	Minimum Class LB
High Concentrations of Alkalis	UNE-EN-ISO 10545-13	Declared Value	Minimum Class LB
Household Chemicals & Pool Salts	UNE-EN-ISO 10545-13	Minimum Class B	Complies
Stain Resistance Properties			
Resistance to Staining	UNE-EN-ISO 10545-14	Minimum Class 3	Complies
Slip Resistance Properties			
Surface Hardness according to MOHS	EN-101	Declared Value	Minimum 3

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	Testing To Standard	Average Typical Values	Result
Physical Properties			
Group			B11
Values According To			UNE-EN 14411:2016
Material			White Body Ceramic
Colours			White, Ivory, Grey, Stone, Black
Finish			Matt
Size Formats (mm)			333 x 900
Thickness (mm)			8
Rectified			Yes
Shade Variation			V3
Technical Properties			
Dimensions and Surface Quality			
Water Absorption	UNE-EN-ISO 10545-3	>10%	Complies
Breaking Strength	UNE-EN-ISO 10545-4	≥ 600 N	Complies
Modulus of Rupture	UNE-EN-ISO 10545-4	≥ 12 N/mm²	Complies
Surface Abrasion	UNE-EN-ISO 10545-7	-	-
Cracking Resistance	UNE-EN-ISO 10545-11	Requested	Complies
Frost Resistance	UNE-EN-ISO 10545-12	-	-
Chemical Resistance Properties			
Low Concentrations of Acids	UNE-EN-ISO 10545-13	Declared Value	Minimum Class LB
High Concentrations of Alkalis	UNE-EN-ISO 10545-13	Declared Value	Minimum Class LB
Household Chemicals & Pool Salts	UNE-EN-ISO 10545-13	Minimum Class B	Complies
Stain Resistance Properties			
Resistance to Staining	UNE-EN-ISO 10545-14	Minimum Class 3	Complies
Slip Resistance Properties			
Surface Hardness according to MOHS	EN-101	Declared Value	Minimum 3

Range Name:
Plaza Square Stone

Ref: P+E-PSS-TDS-01
Technical specification of porcelain wall and floor tiles manufactured in accordance with the EN 14411 standard, Bla group.

	Testing To Standard	Average Typical Values	Result
Physical Properties			
Group			Bla
Values According To			UNE-EN 14411:2016
Material			Porcelain
Colours			White, Ivory, Grey, Stone, Black
Finish			Polished
Size Formats (mm)			600 x 1200, 1200 x 1200
Thickness (mm)			9.5
Rectified			Yes
Shade Variation			V3
Technical Properties			
Dimensions and Surface Quality			
Water Absorption	UNE-EN-ISO 10545-3	Ev ≤ 0.5%	Complies
Breaking Strength	UNE-EN-ISO 10545-4	≥ 1300 N	Complies
Modulus of Rupture	UNE-EN-ISO 10545-4	≥ 35 N/mm²	Complies
Surface Abrasion Ivory Stone White Grey Black	UNE-EN-ISO 10545-7	Declared Value	Class 3 Class 2 Class 3 Class 2 Class 3
Cracking Resistance	UNE-EN-ISO 10545-11	Requested	Complies
Frost Resistance	UNE-EN-ISO 10545-12	Requested	Complies
Chemical Resistance Properties			
Low Concentrations of Acids	UNE-EN-ISO 10545-13	Declared Value	Minimum Class LB
High Concentrations of Alkalis	UNE-EN-ISO 10545-13	Declared Value	Minimum Class LB
Household Chemicals & Pool Salts	UNE-EN-ISO 10545-13	Minimum Class B	Complies
Stain Resistance Properties			
Resistance to Staining	UNE-EN-ISO 10545-14	Minimum Class 3	Complies
Slip Resistance Properties			
Surface Hardness according to MOHS	EN-101	Declared Value	Minimum 3

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Plaza Square Stone

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	Testing To Standard	Average Typical Values	Result
Physical Properties			
Group			Bla
Values According To			UNE-EN 14411:2016
Material			Porcelain
Colours			White, Ivory, Grey, Stone, Black
Finish			Matt & In/Out
Size Formats (mm)		300 x 600, 450 x 450, 600 x 600, 600 x 1200, 750 x 750, 1200 x 1200	
Thickness (mm)			9.5
Rectified			Yes
Shade Variation			V3
Technical Properties			
Dimensions and Surface Quality			
Water Absorption	UNE-EN-ISO 10545-3	Ev ≤ 0.5%	Complies
Breaking Strength	UNE-EN-ISO 10545-4	≥ 1300 N	Complies
Modulus of Rupture	UNE-EN-ISO 10545-4	≥ 35 N/mm²	Complies
Deep Abrasion Resistance	-		
Surface Abrasion Ivory Stone White Grey Black	UNE-EN-ISO 10545-7	Declared Value	Class 3 Class 2 Class 3 Class 3 Class 2
Cracking Resistance	UNE-EN-ISO 10545-11	Requested	Complies
Frost Resistance	UNE-EN-ISO 10545-12	Requested	Complies
Chemical Resistance Properties			
Low Concentrations of Acids	UNE-EN-ISO 10545-13	Declared Value	Minimum Class LB
High Concentrations of Alkalis	UNE-EN-ISO 10545-13	Declared Value	Minimum Class LB
Household Chemicals & Pool Salts	UNE-EN-ISO 10545-13	Minimum Class B	Complies
Stain Resistance Properties			
Resistance to Staining	UNE-EN-ISO 10545-14	Minimum Class 3	Complies
Slip Resistance Properties			
Pendulum	UNE-41901 EX		Class 3
Pendulum Test Value	BS 7976-2:2002 +A1:2013		+ 36
Coefficient of Friction	ANSI A137. 1: 2017. 9.6		> 0.63
Critical Angle of Slip (Inclined Platform)	DIN 51130:2014-5		≥ R10
Critical Angle of Slip (Wet Barefoot)	DIN 51097		Class C
Surface Hardness according to MOHS	EN-101	Declared Value	Minimum 3

