

Range Name:
Monument Way Marble

Ref: P+E-MMM-TDS-01
Technical specification of porcelain wall and floor tiles manufactured in accordance with EN 14411 ISO 13006 Annex G Group Bla UGL.

	Testing To Standard	Average Typical Values	Result
Physical Properties			
Group			Bla UGL
Values According To			EN 14411, ISO 13006
Material			Porcelain
Colours		Calacatta Gold, Statuario Marmi, Sahara Noir, Orobico Grey	
Finish			Brushed
Size Formats (mm)			200 x 1200, 600 x 1200
Thickness (mm)			9
Rectified			Yes
Shade Variation			V3
Technical Properties			
Length and Width	UNE-EN-ISO 10545-2	± 0.6%	± 0.2%
Thickness	UNE-EN-ISO 10545-2	± 5.0%	± 5%
Linearity	UNE-EN-ISO 10545-2	±0.5%	± 0.2%
Wedging	UNE-EN-ISO 10545-2	±0.5%	± 0.2%
Warpage	UNE-EN-ISO 10545-2	±0.5%	± 0.2%
Water Absorption	UNE-EN-ISO 10545-3	Ev ≤ 0.5%	< 0.1%
Breaking Strength	UNE-EN-ISO 10545-4	< 7.5mm - ≥ 700 N ≥ 7.5mm - ≥ 1300 N	2500 N
Flexural Tensile Strength	UNE-EN-ISO 10545-4	≥ 35 N/mm²	45 N/mm
Scratch Resistance	UNE-EN-ISO 10545-6	175 mm³ Max	< 150 mm³
Thermal Expansion Coefficient	UNE-EN-ISO 10545-8	Declared Value	6.8 MK ⁻¹
Thermal Shock Resistance	UNE-EN-ISO 10545-9	Declared Value	Resists
Frost Resistance	UNE-EN-ISO 10545-12	Declared Value	Resists
Chemical Resistance Properties			
Low Concentrations of Acids & Alkali	UNE-EN-ISO 10545-13	Declared Value	Resists
High Concentrations of Acids & Alkali	UNE-EN-ISO 10545-13	Declared Value	Resists
Household Chemicals & Pool Salts	UNE-EN-ISO 10545-13	Minimum UB	UA
Stain Resistance Properties			
Resistance to Staining	UNE-EN-ISO 10545-14	Declared Value	Resists
Slip Resistance Properties			
Slip Resistance (Pendulum)	DIN 51130	Declared Value	R10

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	Testing To Standard	Average Typical Values	Result
Physical Properties			
Group			Bla UGL
Values According To			EN 14411, ISO 13006
Material			Porcelain
Colours		Calacatta Gold, Statuario Marmi, Sahara Noir, Orobico Grey	
Finish			Honed
Size Formats (mm)		200 x 1200, 200 x 1600, 600 x 1200, 800 x 800, 800 x 1600	
Thickness (mm)			9
Rectified			Yes
Shade Variation			V3
Technical Properties			
Length and Width	UNE-EN-ISO 10545-2	± 0.6%	± 0.2%
Thickness	UNE-EN-ISO 10545-2	± 5.0%	± 5%
Linearity	UNE-EN-ISO 10545-2	±0.5%	± 0.2%
Wedging	UNE-EN-ISO 10545-2	±0.5%	± 0.2%
Warpage	UNE-EN-ISO 10545-2	±0.5%	± 0.2%
Water Absorption	UNE-EN-ISO 10545-3	Ev ≤ 0.5%	< 0.1%
Breaking Strength	UNE-EN-ISO 10545-4	< 7.5mm - ≥ 700 N ≥ 7.5mm - ≥ 1300 N	2500 N
Flexural Tensile Strength	UNE-EN-ISO 10545-4	≥ 35 N/mm²	45 N/mm
Scratch Resistance	UNE-EN-ISO 10545-6	175 mm³ Max	< 150 mm³
Thermal Expansion Coefficient	UNE-EN-ISO 10545-8	Declared Value	6.8 MK ⁻¹
Thermal Shock Resistance	UNE-EN-ISO 10545-9	Declared Value	Resists
Frost Resistance	UNE-EN-ISO 10545-12	Declared Value	Resists
Chemical Resistance Properties			
Low Concentrations of Acids & Alkali	UNE-EN-ISO 10545-13	Declared Value	Resists
High Concentrations of Acids & Alkali	UNE-EN-ISO 10545-13	Declared Value	Resists
Household Chemicals & Pool Salts	UNE-EN-ISO 10545-13	Minimum UB	UA
Stain Resistance Properties			
Resistance to Staining	UNE-EN-ISO 10545-14	Declared Value	Resists

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	Testing To Standard	Average Typical Values	Result
Physical Properties			
Group			Bla UGL
Values According To			EN 14411, ISO 13006
Material			Porcelain
Colours		Calacatta Gold, Statuario Marmi, Sahara Noir, Orobico Grey	
Finish			Matt
Size Formats (mm)		200 x 1200, 200 x 1600, 300 x 600, 600 x 600, 600 x 1200, 800x 800, 800 x 1600	
Thickness (mm)			9
Rectified			Yes
Shade Variation			V3
Technical Properties			
Length and Width	UNE-EN-ISO 10545-2	± 0.6%	± 0.2%
Thickness	UNE-EN-ISO 10545-2	± 5.0%	± 5%
Linearity	UNE-EN-ISO 10545-2	±0.5%	± 0.2%
Wedging	UNE-EN-ISO 10545-2	±0.5%	± 0.2%
Warpage	UNE-EN-ISO 10545-2	±0.5%	± 0.2%
Water Absorption	UNE-EN-ISO 10545-3	Ev ≤ 0.5%	< 0.1%
Breaking Strength	UNE-EN-ISO 10545-4	< 7.5mm - ≥ 700 N ≥ 7.5mm - ≥ 1300 N	2500 N
Flexural Tensile Strength	UNE-EN-ISO 10545-4	≥ 35 N/mm²	45 N/mm
Scratch Resistance	UNE-EN-ISO 10545-6	175 mm³ Max	< 150 mm³
Thermal Expansion Coefficient	UNE-EN-ISO 10545-8	Declared Value	6.8 MK ⁻¹
Thermal Shock Resistance	UNE-EN-ISO 10545-9	Declared Value	Resists
Frost Resistance	UNE-EN-ISO 10545-12	Declared Value	Resists
Chemical Resistance Properties			
Low Concentrations of Acids & Alkali	UNE-EN-ISO 10545-13	Declared Value	Resists
High Concentrations of Acids & Alkali	UNE-EN-ISO 10545-13	Declared Value	Resists
Household Chemicals & Pool Salts	UNE-EN-ISO 10545-13	Minimum UB	UA
Stain Resistance Properties			
Resistance to Staining	UNE-EN-ISO 10545-14	Declared Value	Resists
Slip Resistance Properties			
Slip Resistance (Pendulum)	DIN 51130	Declared Value	R10

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	Testing To Standard	Average Typical Values	Result
Physical Properties			
Group			Bla UGL
Values According To			EN 14411, ISO 13006
Material			Porcelain
Colours		Calacatta Gold, Statuario Marmi, Sahara Noir, Orobico Grey	
Finish			Polished
Size Formats (mm)		200 x 1200, 200 x 1600, 300 x 600, 600 x 600, 600 x 1200, 800x 800, 800 x 1600	
Thickness (mm)			9
Rectified			Yes
Shade Variation			V3
Technical Properties			
Length and Width	UNE-EN-ISO 10545-2	± 0.6%	± 0.2%
Thickness	UNE-EN-ISO 10545-2	± 5.0%	± 5%
Linearity	UNE-EN-ISO 10545-2	±0.5%	± 0.2%
Wedging	UNE-EN-ISO 10545-2	±0.5%	± 0.2%
Warpage	UNE-EN-ISO 10545-2	±0.5%	± 0.2%
Water Absorption	UNE-EN-ISO 10545-3	Ev ≤ 0.5%	< 0.1%
Breaking Strength	UNE-EN-ISO 10545-4	< 7.5mm - ≥ 700 N ≥ 7.5mm - ≥ 1300 N	2500 N
Flexural Tensile Strength	UNE-EN-ISO 10545-4	≥ 35 N/mm²	45 N/mm
Scratch Resistance	UNE-EN-ISO 10545-6	175 mm³ Max	< 150 mm³
Thermal Expansion Coefficient	UNE-EN-ISO 10545-8	Declared Value	6.8 MK ⁻¹
Thermal Shock Resistance	UNE-EN-ISO 10545-9	Declared Value	Resists
Frost Resistance	UNE-EN-ISO 10545-12	Declared Value	Resists
Chemical Resistance Properties			
Low Concentrations of Acids & Alkali	UNE-EN-ISO 10545-13	Declared Value	Resists
High Concentrations of Acids & Alkali	UNE-EN-ISO 10545-13	Declared Value	Resists
Household Chemicals & Pool Salts	UNE-EN-ISO 10545-13	Minimum UB	UA
Stain Resistance Properties			
Resistance to Staining	UNE-EN-ISO 10545-14	Declared Value	Resists

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	Testing To Standard	Average Typical Values	Result
Physical Properties			
Group			Bla UGL
Values According To			EN 14411, ISO 13006
Material			Porcelain
Colours			Statuario Marmi
Finish			Polished
Size Formats (mm)			1200 x 1200
Thickness (mm)			9
Rectified			Yes
Shade Variation			V3
Technical Properties			
Length and Width	UNE-EN-ISO 10545-2	± 0.6%	± 0.2%
Thickness	UNE-EN-ISO 10545-2	± 5.0%	± 5%
Linearity	UNE-EN-ISO 10545-2	±0.5%	± 0.2%
Wedging	UNE-EN-ISO 10545-2	±0.5%	± 0.2%
Warpage	UNE-EN-ISO 10545-2	±0.5%	± 0.2%
Water Absorption	UNE-EN-ISO 10545-3	Ev ≤ 0.5%	< 0.1%
Breaking Strength	UNE-EN-ISO 10545-4	< 7.5mm - ≥ 700 N ≥ 7.5mm - ≥ 1300 N	2500 N
Flexural Tensile Strength	UNE-EN-ISO 10545-4	≥ 35 N/mm²	45 N/mm
Scratch Resistance	UNE-EN-ISO 10545-6	175 mm³ Max	< 150 mm³
Thermal Expansion Coefficient	UNE-EN-ISO 10545-8	Declared Value	6.8 MK ⁻¹
Thermal Shock Resistance	UNE-EN-ISO 10545-9	Declared Value	Resists
Frost Resistance	UNE-EN-ISO 10545-12	Declared Value	Resists
Chemical Resistance Properties			
Low Concentrations of Acids & Alkali	UNE-EN-ISO 10545-13	Declared Value	Resists
High Concentrations of Acids & Alkali	UNE-EN-ISO 10545-13	Declared Value	Resists
Household Chemicals & Pool Salts	UNE-EN-ISO 10545-13	Minimum UB	UA
Stain Resistance Properties			
Resistance to Staining	UNE-EN-ISO 10545-14	Declared Value	Resists

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	Testing To Standard	Average Typical Values	Result
Physical Properties			
Group			Bla UGL
Values According To			EN 14411, ISO 13006
Material			Porcelain
Colours			Calacatta Gold, Statuario Marmi
Finish			Matt
Size Formats (mm)			1200 x 2600, 1600 x 3200
Thickness (mm)			6
Rectified			Yes
Shade Variation			V3
Technical Properties			
Length and Width	UNE-EN-ISO 10545-2	± 0.6%	± 0.2%
Thickness	UNE-EN-ISO 10545-2	± 5.0%	± 0.5%
Linearity	UNE-EN-ISO 10545-2	± 0.5%	± 0.2%
Wedging	UNE-EN-ISO 10545-2	± 0.5%	± 0.2%
Warpage	UNE-EN-ISO 10545-2	± 0.5%	± 0.2%
Water Absorption	UNE-EN-ISO 10545-3	Ev ≤ 0.5%	Conforms
Breaking Strength	UNE-EN-ISO 10545-4	< 7.5mm - ≥ 700 N ≥ 7.5mm - ≥ 1300 N	Conforms
Flexural Tensile Strength	UNE-EN-ISO 10545-4	≥ 35 N/mm²	Conforms
Thermal Expansion Coefficient	UNE-EN-ISO 10545-8	Declared Value	6.8 MK ⁻¹
Thermal Shock Resistance	UNE-EN-ISO 10545-9	Declared Value	Resists
Cracking Resistance	UNE-EN-ISO 10545-11	Declared Value	Resists
Frost Resistance	UNE-EN-ISO 10545-12	Declared Value	Resists
Chemical Resistance Properties			
Low Concentrations of Acids & Alkali	UNE-EN-ISO 10545-13	Declared Value	Resists
High Concentrations of Acids & Alkali	UNE-EN-ISO 10545-13	Declared Value	Resists
Household Chemicals & Pool Salts	UNE-EN-ISO 10545-13	Minimum UB	Conforms
Stain Resistance Properties			
Resistance to Staining	UNE-EN-ISO 10545-14	Declared Value	Resists

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	Testing To Standard	Average Typical Values	Result
Physical Properties			
Group			Bla UGL
Values According To			EN 14411, ISO 13006
Material			Porcelain
Colours			Sahara Noir, Orobico Grey
Finish			Polished
Size Formats (mm)			1200 x 2600, 1600 x 3200
Thickness (mm)			6
Rectified			Yes
Shade Variation			V3
Technical Properties			
Length and Width	UNE-EN-ISO 10545-2	± 0.6%	± 0.2%
Thickness	UNE-EN-ISO 10545-2	± 5.0%	± 0.5%
Linearity	UNE-EN-ISO 10545-2	± 0.5%	± 0.2%
Wedging	UNE-EN-ISO 10545-2	± 0.5%	± 0.2%
Warpage	UNE-EN-ISO 10545-2	± 0.5%	± 0.2%
Water Absorption	UNE-EN-ISO 10545-3	Ev ≤ 0.5%	Conforms
Breaking Strength	UNE-EN-ISO 10545-4	< 7.5mm - ≥ 700 N ≥ 7.5mm - ≥ 1300 N	Conforms
Flexural Tensile Strength	UNE-EN-ISO 10545-4	≥ 35 N/mm²	Conforms
Thermal Expansion Coefficient	UNE-EN-ISO 10545-8	Declared Value	6.8 MK ⁻¹
Thermal Shock Resistance	UNE-EN-ISO 10545-9	Declared Value	Resists
Cracking Resistance	UNE-EN-ISO 10545-11	Declared Value	Resists
Frost Resistance	UNE-EN-ISO 10545-12	Declared Value	Resists
Chemical Resistance Properties			
Low Concentrations of Acids & Alkali	UNE-EN-ISO 10545-13	Declared Value	Resists
High Concentrations of Acids & Alkali	UNE-EN-ISO 10545-13	Declared Value	Resists
Household Chemicals & Pool Salts	UNE-EN-ISO 10545-13	Minimum UB	Conforms
Stain Resistance Properties			
Resistance to Staining	UNE-EN-ISO 10545-14	Declared Value	Resists

