

Monchio Sand Porcelain

Country of Origin: Italy

A warm, inviting porcelain with soft beige and sandy tones and a naturally refined surface, offering a sophisticated yet versatile look for contemporary outdoor living spaces.

Size Options:

Option 1:

Dimensions:
Length: 1200mm
Width: 600mm
Thickness: 20mm

Option 2:

Dimensions:
Length: 800mm
Width: 800mm
Thickness: 20mm

Matching interior tiles are available upon request, perfect for achieving a seamless, unified finish throughout your space.



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Dimensional Standard

Characteristics	Standard	Required Values	Test Values
Length and width	ISO 10545-2	± 0.3% (± 1.0 mm)	Comply
Straightness of sides	ISO 10545-2	± 0.3% (± 0.8 mm)	Comply
Rectangularity	ISO 10545-2	± 0.3% (± 1.5 mm)	Comply
Flatness-Centre curvature	ISO 10545-2	± 0.4% (± 1.8 mm)	Comply
Flatness - Edge curvature	ISO 10545-2	± 0.4% (± 1.8 mm)	Comply
Flatness - Warpage	ISO 10545-2	± 0.4% (± 1.8 mm)	Comply
Thickness	ISO 10545-2	± 5% (± 0.5 mm)	Comply
Surface quality	ISO 10545-2	Minimum 95%	Comply

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Mechanical Standard

Characteristics	Standard	Required Values	Test Values
Water absorption	ISO 10545-3	Maximum 0.5%	≤ 0,5%
Modulus of rupture	ISO 10545-4	> 35 N/mm2	≥ 45 N/mm²
Breaking Strength	ISO 10545-4	> 1300 N	≥ 11000 N
Linear thermal expansion	ISO 10545-8	Declared value	α = ~ 9x10-6 °C-1
Thermal shock resistance	ISO 10545-9	Pass	Comply
Crazing resistance	EN ISO 10545-11	Pass	Comply
Frost resistance	ISO 10545-12	Pass	Comply
Chemical resistance	ISO 10545-13	Minimum B (ISO 13006:2018)	A
Colour resistance to light exposure	DIN 51094	Must not show any visible colour variations	Comply
Resistance to surface abrasion	INTERNAL TEST METHOD		Class H
Class H: Materials suitable for situations of relatively hard abrasion in environments without protection against scratching, both public and private			

Safety Standard

	Characteristics	Standard	Required Values	Test Values
International Requirements	Stain resistance	ISO 10545-14	Minimum class 3	Class 5
	Fire reaction - floor	EN 13823	Not Required	A1fl class (No reaction)
	Fire reaction - wall	EN 13823	Not Required	A1 class (No reaction)
BS/EU Requirements	Ramp resistance	DIN EN 16165:2023 Annex B	Declared value	R11
	Barefoot ramp resistance	DIN EN 16165:2023 Annex A	Declared value	A+B+C
	PENDULUM	BS EN 16165:2021 Annex C	Declared value	>36 low slip potential, slider 96

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Shade & Colour Variation in Ceramic and Porcelain Tile

Ceramic and porcelain tiles are graded according to a standardised shade variation classification system, which indicates the degree of colour and texture difference to be expected across tiles within the same product range. This system uses four classifications:

V-1 (Uniform Appearance):

Tiles display a consistently uniform appearance with minimal to no discernible difference between pieces. Colour and texture are highly controlled throughout production, with each tile manufactured using the same glaze application and body composition. Suitable for installations requiring a precise, even finish.

V-2 (Slight Variation):

A subtle degree of variation in texture and/or pattern is present between individual tiles. The overall appearance of the installation remains cohesive, with only minor tonal movement between pieces. Appropriate for installations requiring a consistent finish with a natural, understated character.

V-3 (Moderate Variation):

Individual tiles share a common colour palette, however the distribution and proportion of colour across each piece may differ noticeably. This produces a layered, naturalistic appearance and is typical of products designed to replicate stone, concrete, or wood. The finished installation will display a more diverse and nuanced appearance.

V-4 (Random or Dramatic Variation):

Tiles within this classification can differ considerably in colour and pattern from piece to piece. The result is a visually dynamic and distinctive installation in which no two tiles are identical. Typical of products designed to closely replicate the natural variation of stone, slate, or similar materials.

Production Batch Colour Variation:

Colour tone may vary between production batches due to natural differences in raw materials, kiln temperatures, and firing conditions. This is an inherent characteristic of the manufacturing process and does not constitute a product defect.

Display and showroom samples may not correspond to the same batch as the tile supplied upon order. Minor tonal variation between the two should therefore be anticipated. Batch codes are shown on all product packaging.

