



OVERLAY

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Screeding mortar.



OVERLAY by Topciment® is a high performance mortar suitable for the creation and/or renovation of floors with working thicknesses from 5 to 20 mm. Especially suitable for floors in both new construction and renovation, it can be stamped with high compressive strength and adhesion. It can also be used as a primer.

Application

- Stamped floorings for outdoor public use.
- Stamped flooring for building interiors.
- Repairs of construction elements.
- Coating for levelling and consolidation of pavements in poor condition.
- Flooring resistant to freeze-thaw cycles.

Technical data

Appearance	White powder
Abrasion resistance (UNE EN 13892-3, Böhme Abrasion)	≤ 9 cm ³ /50cm ²
Mechanical resistance (UNE EN 13892-2)	Compression: ≥ 60 N / mm ² Bending: ≥ 12 N / mm ²
Apparent density in powder form (UNE EN 1097-3)	1'85 ± 0'25 Kg/dm ³
Density when fresh (UNE EN 1015-6)	2'20 ± 0'20 Kg/dm ³
Hardened density (UNE EN 1015-10)	1'95 ± 0'20 Kg/dm ³
pH level	13 ± 1
Ultraviolet radiation	Stable

Consumption

Its approximate consumption is 2 Kg/m²/mm, for thickness between 5 mm and 20 mm.

Limitations:

- Ambient temperature should be between 5 and 30° C, without excessive wind.
- The temperature of the substrate must be between 5 and 25°C.

Preparation of the base:

Respect all singular points and encounters such as joints, elements (manholes, street furniture, etc.), and changes of material and/or thickness, by means of treatment and the use of a strip of membrane sheeting with a minimum thickness of 5 mm thick.

Bonding bridge:

Clean and wet the substrate with clean water until saturation, without forming puddles. Once absorbed, apply an even coat of one of our Primacem primers. In case of doubt, please contact our technical department, where you will be advised on the appropriate bonding bridge in each particular case.

Mixing:

25 kg Topciment® Overlay + 5 L water. Mixing shall be carried out using a low speed stirrer or concrete mixer for a period of at least 3 minutes, until a homogeneous, lump-free mixture is obtained, taking care not to occlude air during mixing.

Pouring and spreading:

Pour the Topciment® Overlay manually or by pumping onto the base, avoiding time of more than 15 minutes between mixing and pouring. Next, spread the paste by screeding, using a ruler or gauge track. Respect the expansion joints and the joints with singular points.

Moulded finish with texture:

Once the mortar has set, check that the surface has a taut, but not hard, appearance, and that it is free of water. Then apply the powdered release agent Desmocem® Powder at a rate of 100 g/m², or impregnate the surface of the mortar with Desmocem® Liquid liquid release agent at a rate of 0.125 L/m².

It is advisable to always use powder release agent, except for sloping surfaces and/or interior areas.

After applying the release agent, the surface is stamped by applying the moulds..

Cleaning:

After 48 hours, the release agent is removed. If we have liquid or powder release agent, the surface is cleaned by means of a pressure washer.

Cutting:

If the expansion joints have not been foreseen initially, make the cuts according to the project and always before 24 hours, from their placement on site.

Sealing:

After complete drying, protect the surface with any of our curing resins from the Sealcem® range, we recommend Sealcem® DSV M70.

Special precautions

- This product contains cement.
- Avoid contact with eyes and skin and avoid inhalation of dust.
- Use rubber gloves and protective goggles.

- Do not apply the product at room temperature below 10°C or above 30°C.
- Low temperatures extend and high temperatures reduce considerably the life time of the product and the drying time.-
- Empty containers must be disposed of in accordance with current legislation.
- To prevent the product from drying out or thickening, close the lid after each use.
- Keep out of the reach of children..

Packaging

It is packaged in 25 kg bags, in the colours described in the Stonecem® Floor colour chart.

Storage conditions

The product should be stored in its original closed container and protected from the weather at temperatures between 10°C and 30°C, in a dry and well ventilated place, away from heat sources and direct sunlight. The shelf life is 1 year from the date of manufacture, if stored properly.



The product must not be used for purposes other than those specified without first having written instruction in its handling. It is always the responsibility of the user to take appropriate measures in order to comply with legal requirements. The Safety Data Sheets of the product are available to the professional.

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