



STONECEM[®]

INDUSTRIAL COMPACT



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HIGH PERFORMANCE MORTAR FOR INDUSTRIAL FLOORING

STONECEM[®] INDUSTRIAL COMPACT by Topciment[®] is a high performance powder hardener for the execution of industrial concrete pavements. It is a product based on Portland cement, selected quartz aggregates, additives and EL corundum that is applied on fresh concrete, forming a monolithic wearing layer with maximum wear resistance.

Uses

Due to its excellent wear resistance, it is particularly suitable for:

- Flooring for industrial areas subject to aggression and wear.
- Outdoor areas with road traffic and car parks.
- Flooring for industrial buildings.

Technical data

PROPERTIES	SPECIFICATION	UNIT	METHOD
Features	Powder granular		
Apparent density in powder form	1,90 ± 0,25	kg/dm ³	UNE EN 1097-3
Fresh density	2,10 ± 0,20	kg/dm ³	UNE EN 1015-6
Hardened density	1,95 ± 0,20	kg/dm ³	UNE EN 1015-10
pH	12-13		
R. Compression	≥ 40	N/mm ²	EN 13892 - 2
R. Flexion	≥ 7	N/mm ²	EN 13892 - 2
R. Wear and tear	≤ 7 cm ³ /50cm ²		EN 13892-3
R. Fuego	Class A1		EN 13501 - 1
Performance	3 - 5	kg/m ²	

Instructions for use

Base preparation: fresh concrete

The correct preparation of the pouring surface is a fundamental appearance to guarantee a satisfactory result in the application of STONECEM[®] INDUSTRIAL COMPACT. The application substrate must be a reinforced concrete slab or screed in accordance with the specifications of the standards. The concrete is poured, levelled and vibrated. When the concrete has reached the required strength and the surface water from the exudation has evaporated, carry out a mechanical trowelling with trowels to eliminate imperfections, protuberances and depressions.

Respect all the singular points and encounters such as joints, elements and changes of material and/or thickness, by means of treatment and use of perimeter joint. It is advisable to reinforce the base with steel or fibres, according to construction specifications.

Dusting and trowelling

Once the water from the exudation has evaporated, sprinkle STONECEM® INDUSTRIAL COMPACT with the appropriate proportion, according to the desired strength. Apply 2/3 of the specified quantity and introduce the material into the concrete by mechanical drilling. Then apply the rest of the product and continue drilling until the desired surface is reached. Once the mortar has set and started to harden, proceed to mechanical trowelling with fine trowels until the desired surface finish is achieved.

Curing

After total drying (between 48-72 hours), we will protect the surface with any of our curing resins (SEALCEM®), which you can choose according to the desired finish (consult options with our technical department). The resin will be applied by AIRLESS JOKER with an ambient temperature between 10 and 30° C. Allow the resin to dry and harden for 3 days before use.

Cut

If the expansion joints have not been foreseen initially, make the cuts according to the project and always within 24 hours of their installation.

The order and mixing times indicated have been established on the basis of certified tests that guarantee the good performance of STONECEM® INDUSTRIAL COMPACT. It is of the utmost importance to follow the application steps detailed in this technical data sheet. The presence of technical and/or commercial personnel in the application of our products is solely for the purpose of providing advice and in no case has the character of supervision or quality control of the work. The decision on site regarding the procedures and uses of the product is always subject to the customer.

Limitations

- Ambient temperature: between 5 -30° C, without excessive wind. Substrate temperature: between 5 -25° C.
- The characteristics of the concrete on which STONECEM® INDUSTRIAL COMPACT is to be applied are outside the scope of TOPCIMENT®. Do not apply in the absence of a certificate of conformity.
- Too much or too little surface water in the concrete can significantly influence the final properties of STONECEM® INDUSTRIAL, as well as the colour shades of the concrete.
- Once applied, do not add water to the surface.

It is important to bear in mind that the limitations mentioned in this technical data sheet are strictly prescribed by our technical department, based on relevant tests. Working outside the established parameters will directly affect the rheological characteristics as well as the final properties of **STONECEM® INDUSTRIAL COMPACT**

Special precautions

For any specifications or data concerning safety and hygiene during application, handling, storage and use of the product, as well as disposal in case of inappropriate contact, the product safety data sheet should be consulted. It contains all information concerning safety, toxicity, ecology, physical and chemical properties, as well as first aid recommendations and other regulatory requirements. In countries outside the European Union, it is also up to each country to comply with the respective legislation on packaging, labelling and transport.

Presentation

It comes in pallets of 42 bags of 25 kg.

Storage conditions

Up to 6 months in sealed original packaging, protected from weather, extreme temperatures (10 - 30°C) and humidity (RH <75 %).



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 legislative requirements. The Safety Data Sheets of the product are available to the professional.

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