



REP.0129

## REPAR SM

Structural cement skim,  
thixotropic, fast solidifying

### Customs Code

3816.1000

### Dosage

1.65 kg /m<sup>2</sup>/mm

### Packaging

- Bag 25 kg

### Application

- Brick trowel
- Finishing trowel
- Spatula

Family  
**Repar**

Product Lines

- Building
- Infratech

Type

**Structural cement skims**

Functional Categories

- Repair and restoration of concrete structures with thixotropic mortars
- Block repair of concrete works with free-flowing mortars
- Masonry plastering with plasters and skims
- Construction and maintenance interventions on airport runways and quays
- Structural maintenance of dams, reservoirs, ducts and water ducts
- Structural maintenance of bridges and viaducts
- Structural maintenance of tunnels
- Prefabrication

Components

**Single-component**

Appearance

**Powder**

## Certifications and legislations



**EN 998-1**

Specification for Mortar for Masonry - General purpose rendering/plastering mortar (GP)



**EN 1504-3**

Products and systems for the protection and repair of concrete structures - Structural and non-structural repair (R4)

## General description

Fine skim, monocomponent, thixotropic, rheoplastic, composite, "multipurpose", fast solidifying. Perfect for millimetre and cosmetic smoothing of artefacts and works of concrete in structural and/or functional restoration.

## General features

REPAR SM is a fine plaster, monocomponent, thixotropic, rheoplastic, composite, "multipurpose"; based on high-resistance cements, superpozzolanic fillers, hydrodispersed polymeric resins, plasticisers, stabilisers, and anticorrosives, antiallergic additives, selected aggregates, microfibres.

## Fields of application

Repairs, finishing coats, protective and waterproofing coatings, planar regularisations, surface coatings, adhesives, etc., on concrete and masonry supports, even in cold weather.

## Available colours

- White
- Gray


## Basic features

↔ Max. recommended thickness:  
8 mm


 Maximum diameter of aggregate:  
0.5 mm


→↔ Min. recommended thickness:  
3 mm

 Nonflammable

 Pot-life:  
30 min

 Shelf-life:  
12 months

 Solvent-free

 Temperature of use:  
+5 / +35 °C

 Use wearing protective gloves

 UV-resistant

IF YOU WANT TO SOLVE IT  


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## Technical specifications

Bonding force (EN 1542): 1.8 N/mm<sup>2</sup>

Capillary absorption (UNI EN 13057): 0.49 kg•h<sup>0.5</sup>/m<sup>2</sup>

Chloride content (UNI EN 1015-17): <0.01 %

Compressive strength (UNI EN 12190): 48 N/mm<sup>2</sup>

Darcy impermeability: 10<sup>-10</sup> cm/s

Density (UNI EN 1015-6): 2010 kg/m<sup>3</sup>

Determination of thermal compatibility (UNI EN 13687-1): 1.7 mPa

Flexural strength (EN 196/1): > 8 N/mm<sup>2</sup>

pH: >12 \_

Reaction to fire (EN 13501-1): A1 \_

Resistance to carbonatation (UNI EN 13295): 0.50 mm

Skid resistance (UNI EN 13036-4): 73 mm

Static elastic modulus (EN 13142): 21000 N/mm<sup>2</sup>

## Tools cleansing

- Water

## Applicable on

- Plasters
- Concrete
- Cement-based or lime-based mortars
- Prefabricated concrete

## Substrate preparation

Application surfaces should be clean, free of soiling, crumbling and non-adhering parts, dust, etc., conveniently saturated with water until they reach the condition "saturated with dry surface".

## Instructions for use

Pour about 2/3 of the mixing water into the mixer, add REPAR SM and the remaining water; continue to mix until a homogeneous lump-free mixture is obtained. The mixing water should be about 15-18% of the weight of the bag. After mixing is completed wait a few minutes before applying. It is recommended to prepare a limited quantity of mixture at a time, to avoid waste.

Smoothe the surfaces to be regularised by applying the product with a spatula, sponge float, etc.

## Storage and preservation

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity.



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## Warnings, Precautions and Ecology

Technical and performance data outlined in this document are the result of laboratory testing conducted in a conditioned environment, as such they can result as considerably changed from operating and application conditions. The need follows to carry out preliminary tests in actual use conditions.

The user is required to check the product's most recent Material Safety Data Sheet, reporting physical-chemical and toxicological data, risk phrases and other useful information on how to safely transport, use and dispose of the product and its packaging. It is also reminded that the product and its packaging must not be dispersed in the environment for any reason.

Do not apply in case of direct exposure to sunlight; cure the protection and the prolonged moist hardening of exposed surfaces.

*REPAR SM is produced/distributed by*



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