



REP.0129

## REPAR SM

Structural cement skim,  
thixotropic, fast solidifying

### Customs Code

3824 5090

### Packaging

- Bag 25 kg

### Application

- Brick trowel
- Finishing trowel
- Spatula

Family  
**Repair**

Product Lines

- Building
- Infratech

Type

**Single-component cementitious skim coatings**

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 1504-3**

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

## 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.

## Dosage

Approximately 1.65 kg/m<sup>2</sup> of REPAR SM for each millimetre of thickness to be made.

## 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.


## Basic features


↔ Max. recommended thickness:  
10 mm


 Maximum diameter of aggregate:  
0.5 mm

→↔ Min. recommended thickness:  
3 mm

 Nonflammable


 Pot-life:  
30 min

 Shelf-life:  
12 months

 Temperature of use:  
+5 / +35 °C

 Use wearing protective gloves

 UV-resistant

 Available colours  
White / Gray

IF YOU WANT TO SOLVE IT  
 **azichem**

[www.azichem.com](http://www.azichem.com)

Updated: 14/06/2021

General sales conditions and legal notices on

[www.azichem.com/disclaimer](http://www.azichem.com/disclaimer)

## 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): 35 N/mm<sup>2</sup>  
Darcy impermeability: 10<sup>-10</sup> cm/s  
Density (UNI EN 1015-6): 1900 kg/m<sup>3</sup>  
Determination of thermal compatibility (UNI EN 13687-1): 1.7 mPa  
Flexural strength (EN 196/1): 7 N/mm<sup>2</sup>  
pH: > 12 \_  
Reaction to fire (EN 13501-1): A1 \_  
Resistance to carbonation (UNI EN 13295): 0.50 mm  
Skid resistance (UNI EN 13036-4): 73 mm  
Static elastic modulus (EN 13142): 20000 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.

Smoother 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.



[www.azichem.com](http://www.azichem.com)

Updated: **14/06/2021**  
General sales conditions and legal notices on [www.azichem.com/disclaimer](http://www.azichem.com/disclaimer)

## Warnings, Precautions and Ecology

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: [www.azichem.com](http://www.azichem.com). The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: [www.azichem.com](http://www.azichem.com).

It is forbidden to dispose of the product and/or packaging in the environment.

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*



Via Giovanni Gentile, 16/A - 46044 Goito (MN), Italy  
info@azichem.com Tel. +39 0376.604185 /604365 Fax +39 0376 604398



[www.azichem.com](http://www.azichem.com)

Updated: **14/06/2021**  
General sales conditions and legal  
notices on  
[www.azichem.com/disclaimer](http://www.azichem.com/disclaimer)