



REP.0131 **REPAR SM BIC**

Structural two-component micromortar, for finishing coats and claddings

Customs Code

3824 5090

Packaging

- Bag 25 kg [A]
- Plastic can 5 kg [B]
- Kit: 1 Bag 25 kg [A] + 1 Plastic can 5 kg [B]

Application

- Brick trowel
- Finishing trowel
- Spatula

Family
Repair

Product Lines

- **Building**
- **Infratech**

Type

Two-component structural cementitious skim coat

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**
- **Wall structure treatments and repair of industrial concrete floors**
- **Prefabrication**

Components

Two-components

Appearance

Powder + Liquid

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, two-component, thixotropic, rheoplastic, composite, "multipurpose", fast solidifying. Perfect for millimetre and cosmetic smoothing of artefacts and works of concrete in structural and/or functional restoration; also suitable for smoothing façades of buildings with partial or total presence of wall plastic coatings.

General features

REPAR SM BIC and a plaster end, two-component, 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 2.0 kg/m² of REPAR SM BIC for each millimetre of thickness to be made.

Fields of application

Repairs, finishing coats, protective coatings and waterproofing, regularisations planar surface coatings, adhesives etc., on concrete supports, masonry, plaster walls, floors and other surfaces even at low absorption (wall plastic coatings), and in mountain, marine, urban and industrial environments.



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Basic features



Highlighted product



Maximum diameter of aggregate:
0.5 mm



Nonflammable



Pot-life:
45-60 min



Shelf-life:
12 months



Temperature of use:
+5 / +35 °C



Use wearing protective gloves



UV-resistant



Available colours
White / Gray

Technical specifications

Bonding force (EN 1542): 2.1 N/mm²

Capillary absorption (UNI EN 13057): 0.47 kg•h^{0.5}/m²

Compressive strength (UNI EN 1015-11): > 45 N/mm²

Darcy impermeability: 10⁻¹⁰ cm/s

Density (UNI EN 1015-6): 2015 kg/m³

Flexural strength (UNI EN 1015-11): > 8 N/mm²

pH: >12 _

Static elastic modulus (EN 13142): 19500 N/mm²

Tools cleansing

- Water

Applicable on

- Plasters
- Concrete
- Cement-based or lime-based mortars
- Prefabricated concrete
- Acrylic wall coatings

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

Mix the concrete powder (component A) with the polymeric hydrating dispersion (component B), preferably with a mixer at a low number of revolutions, gradually pour the powder into the liquid (in case of manual mixing add the liquid to the powder); continue to mix until a homogeneous lump-free mixture is obtained. The optimal consistency of the product and the consequent physical-mechanical performances declared in this technical data sheet can be reached using 4.5 kg of COMPONENT B for each 25 kg bag. The excess quantity of COMPONENT B (0.5 kg) is particularly useful for priming the substrate, or for wetting the trowel in the final smoothing operation, or in hot and arid environmental conditions where the mixed product is kept at rest in the bucket it may require some light addition of liquid to regain its optimal consistency, thus avoiding uncontrolled water additions.

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

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. 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.

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 BIC is produced/distributed by



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