

Repar SM Bic

Structural two-component micromortar, for finishing coats and claddings



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.

CUSTOMS CODE: 3824 5090

COMPONENTS: Two-components

APPEARANCE: Powder + Liquid

AVAILABLE COLORS: White / Gray

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

OBTAINED CERTIFICATIONS AND REGULATIONS



FEATURES AND BENEFITS

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. The very fine binding matrix, with a high pozzolanic component, together with the special polymers contained in component B, give the applied product a high adhesion to the support, together with a particularly low elastic modulus. The fine grain size and spheroidal morphology of the quartz aggregates facilitate the application of the smoothing compound, especially when used in combination with GFRP meshes (Rinfor System anti-tipping and anti-shattering systems).

FIELDS OF APPLICATION

- Repairs, smoothing, protective and waterproofing coatings, planar regularizations, adhesive coatings, etc., on cementitious supports, walls, cement plasters, concrete floors, even low-absorption coatings (plastic wall coatings, provided they are firmly anchored to the support).
- Smoothing of reinforced concrete structures of tanks, tanks and swimming pools, before installing resin coatings or tiles.
- Smoothing of beams, pillars and decks of road infrastructures
- Rinfor System anti-tipping system on partition walls and infills, in combination with GFRP Armaglass Structura 115, Armaglass Structura 250 meshes and connectors in GFRP Armaglass Connector or in Helix Steel Aisi 304 stainless steel.
- Rinfor System shatter-proof system on floors, in combination with Armaglass Structura 250 GFRP mesh, flanges with screws and brackets with plugs.
- Regularization and preparation layers of concrete and masonry supports before the installation of carbon fiber FRP systems, both impregnated in situ (fabrics) and glued (sheets).

ALLOWED SUPPORTS

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

PREPARATION OF SUPPORTS

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".

MODE OF 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.

APPLICATION METHODS

Brick trowel - Finishing trowel - Spatula

TOOL CLEANING

Water

KEY 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 |

TECHNICAL SPECIFICATIONS

UNI EN 1015-11
Compressive strength **> 45 N/mm²**

EN 1542
Bonding force **2.4 N/mm²**

Reaction to fire **B-s2 d0**

EN 13142
Static elastic modulus **19500 N/mm²**

UNI EN 13057
Capillary absorption **0.47 kg•h^{0.5}/m²**

UNI EN 1015-11
Flexural strength **> 8 N/mm²**

Darcy impermeability **10⁻¹⁰ cm/s**

pH **>12**

UNI EN 1015-6
Density **2015 kg/m³**

EN 13687-1
Thermal compatibility **2.2 N/mm²**



CONSUMPTION

Approximately 2.0 kg/m² of Repair SM Bic for each millimetre of thickness to be made.

STORAGE AND CONSERVATION

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.

PHOTO GALLERY



ADDITIONAL CONTENT



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Update of **19-10-2023**
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Total pages of this document: 4

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