



Family
Repar

Type
Structural thixotropic cement mortars

Product Lines
• Building
• Infratech

Functional Categories
• Structural strengthening of masonry in historic buildings
• Repair and restoration of concrete structures with thixotropic mortars

Components
Single-component

Appearance
Powder

REP.0133

REPAR TIX

Thixotropic, rheoplastic, structural, reinforced fibre cement mortar

✘ Customs Code

3816 1000

📐 Dosage

18.5 kg /m²/cm

📦 Packaging

- Bag 25 kg
- Pallet: 50 x (Bag 25 kg)

🔪 Application

- Brick trowel
- Finishing trowel
- Shotcrete machine
- Plastering machine
- Spatula

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

Structural, thixotropic, rheoplastic, composite cement mortar, based on high-resistance cements, superpozzolanic fillers, polymeric modifiers, anti-shrink agents, plasticisers, stabilisers, anti-corrosive, anti-allergic additives, selected aggregates, polypropylene fibres.

Fields of application

Restorations and repairs, structural recovery, reinforcement reconstruction, construction of reliable and durable coatings for building, civil, hydraulic, industrial, concrete and masonry works.

Available colours

- Gray

Basic features

- | | |
|-----------------------------------------|------------------------------------------------|
| ↔ Max. recommended thickness:
3-4 cm | ⊘ MAX Maximum diameter of aggregate:
1.5 mm |
| →↔ Min. recommended thickness:
5 mm | ⊕ Mix with water:
15 % |
| 🔥 Nonflammable | 🕒 Pot-life:
60 min |
| 🕒 Shelf-life:
12 months | 🌡 Temperature of use:
+5 / +35 °C |
| 🧤 Use wearing protective gloves | ☀ UV-resistant |

Technical specifications

Bonding force (UNI EN 1015-12): > 2 N/mm²

Capillary absorption (UNI EN 13057): 0.50 kg•h^{0.5}/m²

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

Compressive strength (UNI EN 12190): > 55 N/mm²

Darcy impermeability: 1 x 10 E-10 cm/s

Density (UNI EN 1015-6): 2170 kg/m³

Determination of thermal compatibility (UNI EN 13687-1): 1.6 mPa

Flexural strength (UNI EN 196/1): > 8 N/mm²

pH: > 12.5 _

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

Resistance to carbonatation UNI EN 13295): 1.5 mm

Skid resistance (UNI EN 13036-4): 51 mm

Static elastic modulus (EN 13142): > 21000 N/mm²



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Substrate preparation

Application surfaces should be clean, free of dirt, crumbling and non-adhering parts, dust etc., and saturated with water "saturated with dry surface".. It is advisable to previously to apply the realising reinforcement CONSILEX SAN on the exposed surfaces, before they are restored.

Instructions for use

Pour 2/3 of the total mixing water(about 3 litres per bag) in the concrete mixer, gradually add the product and the remaining water, until a homogeneous lump-free mixture of the desired consistency is obtained. Cure the protection and the prolonged moist hardening of exposed surfaces.

The addition of BOND HG to the mixing water (at a rate of approximately 0.5-0.7 kg for each lot of product) allows substantial improvements in terms of adherence, adhesion, watertightness, workability, moldability and capacity of deformation.

Storage and preservation

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight.



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.

High coating thicknesses, static, monolithic requirements, etc., it may be necessary to resort to appropriate reinforcements (electrowelded mesh etc.) anchored to the support with SYNTECH PROFIX or GROUT MICROJ or REPAR TIX G2.



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