

Repar Tix G2

Thixotropic slightly expansionary mortar, for anchoring and underpinning



Thixotropic, reinforced fibre, anti-shrink mortar, slightly expansive in plastic phase, high-performance in terms of resistance and waterproofing characteristics, specific for the compensation of cavities and detachments in roughcast underpinning, and for accurate fixing of wooden or steel beams in masonry whatever its nature.

CUSTOMS CODE: 3824 5090

COMPONENTS: Single-component

APPEARANCE: Powder

AVAILABLE COLORS: Gray

PACKAGING AND DIMENSIONS: Bag 25 kg - Pallet: 50 x (Bag 25 kg)

FEATURES AND BENEFITS

Repar Tix G2 is based on high-resistance cements, superpozzolanic fillers, plasticisers, stabilisers, and anticorrosive agents, antiallergic additives, selected aggregates. Free of chloride, aluminium, metal powders and aggressive substances in general.

FIELDS OF APPLICATION

Fixing and anchorages of I-beams, clamps, beams, metal structures, reinforcing rods, prefabricated elements etc. Execution of render underpinning, in civilian, industrial, rural and infrastructural building, both for restructuring and newly built.

ALLOWED SUPPORTS

Concrete - Prefabricated concrete - Bricks - Mixed walls (bricks and stones) - Stone walls

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". An adequate roughening of the surfaces by scarifying, sandblasting etc. is always necessary in order to obtain the maximum adhesion values to the substrate. The optimal values are obtained with high pressure hydro-scarification. Bare the irons undergoing disruptive oxidation or deeply oxidized, removing the rust of the exposed irons (by sandblasting or abrasive brushes).



MODE OF USE

Pour about 2/3 of the mixing water into the mixer, add Repar Tix G2 and the remaining water; continue to mix until a homogeneous lump-free mixture is obtained. The mixing water should be about 12-13% of the weight of the bag. After mixing is completed wait a few minutes before applying. For high anchoring sections add Ghiaietto 6.10 (please refer to the appropriate technical data sheet for more information).

APPLICATION METHODS

Brick trowel - Finishing trowel - Spatula

TOOL CLEANING

Water


KEY FEATURES

↔ Max. recommended thickness: 8 cm


↔ Min. recommended thickness: 1 cm


 Nonflammable


 Shelf-life: 12 months

 Use wearing protective gloves

 Maximum diameter of aggregate: 2 mm

 Mix with water: 12-13 %

 Pot-life: 60 min

 Temperature of use: +5 / +35 °C

TECHNICAL SPECIFICATIONS

UNI EN 1015-11

Compressive strength after 1 day **30 N/mm²**

UNI EN 1015-11

Flexural strength at 1 day **6 N/mm²**

Darcy impermeability **10⁻⁹ cm/s**

EN 1542

Bonding force > **2 MPa**

UNI EN 13687-1

Determination of thermal compatibility > **2 MPa**

UNI EN 1015-6

Density **2100 kg/m³**

UNI EN 1015-17

Chloride content < **0.01 %**

UNI EN 1015-11

Compressive strength after 28 days **60 N/mm²**

UNI EN 1015-11

Flexural strength after 28 days **9 N/mm²**

UNI 8147

Contrasted expansion with air curing for 1 day > **0.6 mm/m**

EN 13142

Static elastic modulus **25.000 N/mm²**

UNI EN 13057

Capillary absorption **0.45 kg·h^{0.5}/m²**

pH > **12**

CONSUMPTION

Approximately 19 kg/m² of Repar Tix G2 for every centimetre of thickness to be implemented (approximately 1900 kg per cubic metre).

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



WARNINGS AND PRECAUTIONS

Adopt laying procedures capable of ensuring the absence of gaps and discontinuities; cure the protection and the prolonged moist hardening of exposed surfaces. 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.

