

# Repar Tix Speedy HP

Fast hardening, thixotropic cement mortar



Structural, rheoplastic, thixotropic cement mix with controlled shrinkage, with adequate super-pozzolanic filler additives, hold accelerators and glass micro-fibres. The mix is equipped with very fast hold, excellent workability and excellent adhesion on cement supports to re-build. The product was mainly designed for small/medium repairs and reconstructions in environments where the fastness of application is important, such as works on roads, ports and airports.

**CUSTOMS CODE:** 3824 5090

**COMPONENTS:** Single-component

**APPEARANCE:** Powder

**AVAILABLE COLORS:** Gray

**PACKAGING AND DIMENSIONS:** Bag 25 kg

## OBTAINED CERTIFICATIONS AND REGULATIONS



## FIELDS OF APPLICATION

Suitable for surface regulation and reconstruction works on missing sections and cavities, especially in works involving structural renovation of worn concrete. Volumetric reconstruction of concrete cover on structures in reinforced concrete or prefabricated ashlar.

## ALLOWED SUPPORTS

Prefabricated concrete - Bricks - Calcestruzzo armato

## 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 Speedy HP and the remaining water; continue to mix until a homogeneous lump-free mixture is obtained. The mixing water should be about 16 - 18% of the weight of the bag. Having finished mixing, immediately use the product for the works necessary, paying attention to its fast hardening. You are advised to use a little product at a time, only the quantity usable within 10 minutes after mixing (attention, the ambient temperature can also considerably affect the hold time of the product!).

## APPLICATION METHODS

Brick trowel - Spatula

## TOOL CLEANING

Water

## KEY FEATURES

- |  |  |
|--|--|
|  Density: 2.105 kg/dm <sup>3</sup>     |  Max. recommended thickness: 5 cm |
|  Maximum diameter of aggregate: 0.7 mm |  Mix with water: 16 - 18 %        |
|  Pot-life: 20 - 30 min                 |  Shelf-life: 12 months            |

## TECHNICAL SPECIFICATIONS

- |  |  |
|--|--|
| <i>EN 12190</i><br>Compressive strength after 8 hours > <b>7 N/mm<sup>2</sup></b>          | <i>EN 12190</i><br>Compressive strength after 1 day > <b>15 N/mm<sup>2</sup></b>                 |
| <i>EN 12190</i><br>Compressive strength after 3 days > <b>35 N/mm<sup>2</sup></b>          | <i>EN 12190</i><br>Compressive strength after 7 days <b>40 N/mm<sup>2</sup></b>                  |
| <i>EN 12190</i><br>Compressive strength after 28 days > <b>45 N/mm<sup>2</sup></b>         | <i>EN 12190</i><br>Flexural strength at 1 day > <b>3.5 N/mm<sup>2</sup></b>                      |
| <i>EN 12190</i><br>Flexural strength after 28 days > <b>9 N/mm<sup>2</sup></b>             | <i>EN 196-3</i><br>Setting time <b>40-60 min</b>   |
| <i>UNI EN 1542</i><br>Adhesion to substrate <b>2 N/mm<sup>2</sup></b>                      | Chloride content < <b>0.01 %</b>   |
| <i>UNI 8147</i><br>Contrasted expansion with air curing for 1 day > <b>0.01 %</b>          | <i>UNI EN 13687-1</i><br>Determination of thermal compatibility $\geq$ <b>2 N/mm<sup>2</sup></b> |
| <i>EN 13142</i><br>Static elastic modulus <b>21000 N/mm<sup>2</sup></b>                    | <i>UNI EN 1015-6</i><br>Density <b>2075 kg/m<sup>3</sup></b>                                     |
| <i>UNI EN 13057</i><br>Capillary absorption < <b>0.50 kg•h<sup>0.5</sup>/m<sup>2</sup></b> |  |

## CONSUMPTION

Approximately 19 kg/m<sup>2</sup> of Repar Tix Speedy HP for every centimetre of thickness to be implemented (approximately 1900 kg per cubic metre).

## STORAGE AND CONSERVATION

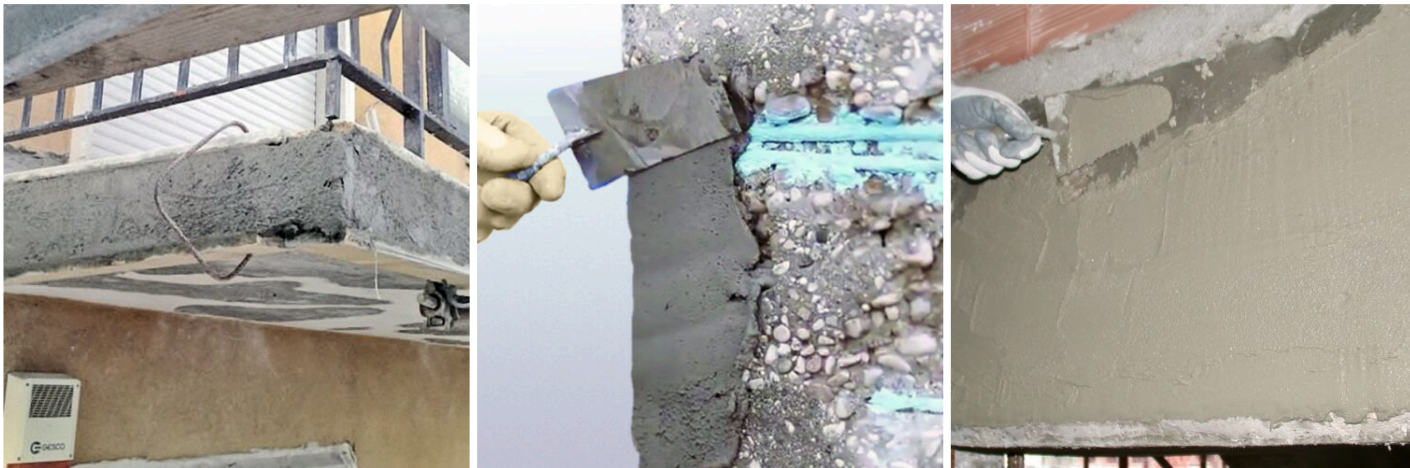
Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight.



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## PHOTO GALLERY



## ADDITIONAL CONTENT



## WARNINGS AND PRECAUTIONS

Do not apply in case of direct exposure to sunlight and/or excessive ventilation. Cure the protection and the prolonged moist hardening of exposed surfaces. Given the short setting time, it is recommended to prepare small amounts of product at a time, to avoid waste and scraps. 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.

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