



Family  
Repair

Type  
Structural thixotropic cement mortars

Product Lines  
• Infratech

Functional Categories  
• Roads and municipal maintenance interventions  
• Structural maintenance of dams, reservoirs, ducts and water ducts  
• Structural maintenance of bridges and viaducts

Components  
Single-component

Appearance  
Powder

REP.0137

## REPAR TIX SPEEDY HP

Fast hardening, thixotropic  
cement mortar

### Dosage

1.9 kg /dm<sup>3</sup>

### Packaging

- Bag 25 kg

### Application

- Brick trowel  
- Spatula

## Certifications and legislations



EN 1504-3

Products and systems for the protection and repair of concrete structures -  
Structural and non-structural repair (R4)

## General description

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.


## 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 ashlars.

## Available colours


• Gray


## Basic 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:  
<10 min

 Shelf-life:  
12 months

## Technical specifications

*Adhesion to substrate (UNI EN 1015-12): 1.2 N/mm<sup>2</sup>*

*Compressive strength after 01 day (EN 12190): > 20 N/mm<sup>2</sup>*

*Compressive strength after 03 days (EN 12190): > 35 N/mm<sup>2</sup>*

*Compressive strength after 07 days (EN 12190): 40 N/mm<sup>2</sup>*

*Compressive strength after 08 hours (EN 12190): > 7 N/mm<sup>2</sup>*

*Compressive strength after 28 days (EN 12190): > 50 N/mm<sup>2</sup>*

*Flexural strength after 28 days (EN 12190): > 8.5 N/mm<sup>2</sup>*

*Setting time (EN 196-3): 40-60 min*

*Static elastic modulus (EN 13142): 21000 N/mm<sup>2</sup>*

IF YOU WANT TO SOLVE IT  


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## Tools cleansing

• Water

## Applicable on

• Concrete  
• Prefabricated concrete  
• Asphalt

## 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

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 5 minutes after mixing (attention, the ambient temperature can also considerably affect the hold time of the product!).

### 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.

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.

*REPAR TIX SPEEDY HP is produced/distributed by*



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