



REP.0126

REPAR MONOSTEEL

Passivating monocomponent cement, anticorrosive, for reinforcing rods

Customs Code

3816 1000

Dosage

0.1 kg /m

Packaging

- Pail 2.5 kg
- Pail 5 kg

Application

- Brush

Family
Repar

Product Lines

- Building
- Infratech

Components

Single-component

Type

Cementitious or polymeric passivating agents for reinforcing bars

Functional Categories

- Repair and restoration of concrete structures with thixotropic mortars
- Block repair of concrete works with free-flowing mortars
- Construction and maintenance interventions on airport runways and quays
- Structural maintenance of bridges and viaducts

Appearance

Powder

Certifications and legislations



EN 1504-7

Products and systems for the protection and repair of concrete structures. Reinforcement corrosion protection



EN 998-1

Specification for Mortar for Masonry - General purpose rendering/plastering mortar (GP)

General description

Cement slurry in monocomponent powder, passivating, light blue in colour, to be added with water, modified with superpozzolanic agents, flexibilising resins and corrosion inhibitors, for the passivating treatment of oxidised reinforcing rods, in the restoration of degraded concrete.

General features

The anti-corrosive effectiveness of REPAR MONOSTEEL results from the high alkalinity and from the superpozzolanic reactivity of components. The specific corrosion inhibitor contained in the compound (DCI - Corrosion Inhibitor Agrément Certificate BBA** n.96/3232), conforming to the standard UNI 9747, is based on a reaction which is capable of making unavailable the ferrous ions for the supply of the electrochemical processes of corrosion. The polymeric components of REPAR MONOSTEEL also determine further increases in the effectiveness against corrosion, especially vis-à-vis the aggressive attacks arising from chlorides and sulphates. (BBA = British Board of Agrément).

Fields of application

Passivating protection treatments of the reinforcement rods in interventions of restoration of works and articles in reinforced concrete, in marine, mountain and industrial environments.

Available colours

- Light blu

Basic features



Highlighted product



Nonflammable



Shelf-life:
12 months



Solvent-free



Temperature of use:
+5 / +35 °C



Use wearing protective gloves

Technical specifications

Breaking load longitudinal (UNI EN 1542): 2.4 N/mm²

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

Density (UNI EN 1015-6): 1700 kg/m³

pH: > 12 _

Water/binder ratio: < 0.45 _

IF YOU WANT TO SOLVE IT


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Tools cleansing

- Water

Applicable on

- Concrete
- Rusty reinforcement rods

Substrate preparation

Carefully remove non-adhering rust, present on the metal surfaces of the exposed reinforcement rods by blasting or deep brushing, until the following condition is reached: "almost white metal" (metal colour as if it has just come out of extrusion).

Instructions for use

Pour about half a litre of water into a bucket, add REPAR MONOSTEEL and additional water necessary for achieving a fluid, dense, brushable consistency. Continue mixing until a homogeneous lump-free mixture is obtained. Apply by brush on the surfaces of the previously prepared reinforcement rods.

Storage and preservation

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.



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.

The overflow of the product on the concrete adjacent to the treated rods does not entail any problem.

REPAR MONOSTEEL is produced/distributed by



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