

BENFERCURE FERRI



MONO-COMPONENT CORROSION INHIBITOR FOR REINFORCING RODS

Benfercure Ferri is a mono-component mortar of cement designed to prevent the formation of rust on reinforcing rods and to favor the adhesion of poured concrete.

It is easy to apply by brush and ensures a constant basicity.

TECHNICAL FEATURES:

Benfercure Ferri is a mono-component cement-based product in powder form, with selected aggregates, polymers and special corrosion inhibitor additives.

Its formula was designed and developed to prevent the formation of rust on reinforcing rods thanks to its waterproof and atmospheric gas-proof qualities and its alkalinity.

When mixed with water it becomes a highly

adhesive tixotropic mortar easy to apply with a brush, also indicated as an adhesion promoter when for concrete pouring.

FIELDS OF APPLICATION:

- Anti-corrosion protection for concrete reinforcing rods.
- Promotes adhesion during concrete pouring between the old and fresh coats and between the concrete and the repair mortar .

INSTRUCTIONS FOR USE:

The material must be stored in a place protected from extreme heat.

The surfaces to be treated must be clean, dry and free of dust.

The reinforcing rods must be sanded or carefully scrubbed until they are completely free of rust and deteriorated concrete.

During concrete pouring it is necessary to carefully scrape and scrub the surface to be treated and eliminate dirt, partially detached debris, dust and any water puddles.

The temperature during the application and in the hours immediately following must be between +5 and +35 degrees centigrade.

Mix the product by hand or with a mixer at low speed using 30 / 32% clean water, corresponding to 0.6 / 0.65 liters for the entire package making certain that the water is not warm. Let the mixture stand for 5 minutes, then briefly remix it and proceed to the application by brush.

All the product must be used within approximately 45 minutes.

Do not add water when the product begins to harden, do not add cement or any other material to the mixture.

Benfercure Ferri must be applied on reinforcing



rods in two coats 2-3 hours apart from one another, and the total depth of the product must result at least two millimeters. The next application can be executed after approximately 4-5 hours with **Benfercure**.

Concrete pouring must be executed on the fresh product.

CLEANING:

Use water for the cleaning of the tools if the product is fresh. Once it has hardened it must be removed mechanically.

COVERAGE:

Rods of 8 mm diameter from 80 to 120 gr/m = 16-25 m with a 2 kg package.

Rods of 10 mm diameter from 100 to 150 gr/m =

13-20 m with a 2 kg package.

Rods of 14 mm diameter from 150 to 200 gr/m = 10-13 m with a 2 kg package.

PACKAGES:

Benfercure Ferri is available in the convenient reclosable plastic bucket weighing 2 kg.

CONSERVATION:

12 months in closed package

PRODUCT TECHNICAL DATA

COVERAGE: RODS OF Ø 8 MM	FROM 80 TO 120 GR/M = 16-25 m WITH A 2 Kg PACKAGE
COVERAGE: RODS OF Ø 10 MM	FROM 100 TO 150 GR/M = 13-20 m WITH A 2 Kg PACKAGE
COVERAGE: RODS OF Ø 14 MM	FROM 150 TO 200 GR/M = 10-13 m WITH A 2 Kg PACKAGE
DANGER OF HARM	NO POSSIBLE IRRITATION OF THE EYES AND SKIN FOR CONTACT DUE TO THE CEMENT CONTENTS
POWDER APPEARANCE	WHITE MIXTURE
MASS VOLUME OF THE POWDER	APPROX. 0,9 Kg/dm ³
MAXIMUM GRANULOMETRY	0,5 mm
MIXING RATIO	30-32%
MIX CONSISTENCY	BRUSHABLE FLUID PASTE
MIXTURE COLOUR	AZURE
MIXTURE MASS VOLUME	APPROX. 1,7 Kg/dm ³
MIXTURE pH	> 12
MIXTURE DURATION	APPROX. 45 MINUTES (AT 20°C)
APPLICATION TEMPERATURE	FROM + 5°C TO + 35°C
WAITING TIME FOR 2nd COAT	2-3 HOURS
CONSERVATION	12 MONTHS

FINAL PERFORMANCES

ADHESION AT 28 DAYS ON SANDED IRON	> 2 MPa
ADHESION AT 28 DAYS ON CONCRETE	> 2,5 MPa

data collected at 23°C and 50% of r.h.

PLEASE NOTE: The data and information contained herein are dictated by our best results, and are purely indicative and must be verified by the user of the product who assumes complete responsibility for its use.