Nitocote AP35

constructive solutions

Latex acrylic polymer based cementitious coating

Uses

Provides passivating protection matrix to reinforcing steel

Advantages

- Anticorrosive - protects from future corrosion
- High adhesion - excellent bonding to all types of steel substrate
- Cement based - compatible with concrete
- User friendly - can be easily applied by brush

Description

Nitocote AP35, a single component latex acyrlic polymer based emulsion is used for protecting steel reinforcement from corrosion.

It only needs to be mixed with cement at site to produce an easily brushable coating.

Technical support

Fosroc offers a technical support service to specifiers, end users and contractors, as well as on-site technical assistance in locations all over the country.

Properties

Appearance	:	Milky white liquid
Solid content	:	Exceeds 35%
pH	:	8 -9
Specific gravity	:	1.04 @ 27^{0}C
Application temperature	:	Not less than 10^{0}C
Adhesion to steel	:	Excellent
Bond strength with cement	:	Good
Toxicity	:	Non-toxic
Mix proportions	:	1 part Nitocote AP35 acrylic polymer : 1.25 part cement

Application instructions

Surface Preparation

Any corroded steel in the repair area and all loose scale and corrosion deposits should be fully exposed. Steel should be cleaned to a bright condition paying particular attention to the back of exposed steel bars. Grit-blasting is recommended for this process.

Where corrosion has occured due to the presence of chlorides, the steel should be high-pressure washed with clean water immediately after grit-blasting to remove corrosion products from pits and imperfections within its surface.

Application

The application of Nitocote AP35 acrylic primer must take place as soon as possible to a dry steel surface after completion of the preparation work but always within 3 hours.

One full and unbroken coat of Nitocote AP35 acrylic primer shall be applied by suitable brush making sure the surfaces of the steel are properly coated. A small brush is generally suitable for this purpose. It shall be allowed to dry fully before continuing. If in doubt of having achieved an unbroken coating, a second application should be made as soon as the first coat is fully dry (generally between 45 minutes and one hour)

The application of concrete repair materials should proceed as soon as the Nitocote AP35 acrylic primer is fully dry (generally 45 mins. to 1 hour).

Minimum application temperature for Nitocote AP35 acrylic primer is 10^{0}C.

Equipment cleaning

Immediately after use, all tools shall be washed with clean water.

Estimating

Packaging

Nitocote AP35 acrylic primer is supplied in 1, 5 and 20 litre plastic containers.

Coverage

Approximately 8 - 10 m^2/ litre depending on substrate.

Storage

Shelf life

Nitocote AP35 acrylic primer has a shelf life of 12 months at 30^{0}C. Nitocote AP35 acrylic primer should be protected from frost.

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Precautions

Health & Safety instructions

Nitocote AP35 acrylic primer is non toxic. However it should never be ingested and if it comes into contact with eyes, it shall be washed immediately with plenty of water and medical advice shall be sought.

Nitocote AP35 acrylic primer is slightly alkaline. Skin contact should be avoided. Gloves and protective clothing should be worn during handling/application of the product.

Fire

Nitocote AP35 acrylic primer is non flammable.

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