4410 Tamirart AC

Corrosion Inhibitor, Adhesion Improver Coating and Primer Mortar

Technical Data Sheet

Description

Cementitious, one-component, polymer modified, corrosion inhibitor, adhesion improver coating and primer mortar.

Fields of Application

- Protection of concrete reinforcing rods by corrosion-inhibiting.
- Adhesion improvement of repair mortars.

Properties

- Applicable by brush or roller.
- Excellent adhesion on concrete and steel.
- Resistant to water, humidity and chlorides.
- Resistant to de-icing salts.
- Protection of reinforcing rods.

Preparation of Substrates

- Surface should be cleaned from oil, gress and rust which may prevent adhesion. If necessary oil removers should be used.
- Surface should be cured and rigid.
- Be sure that the surface is damp but not wet.

Application

- Pour Tamirart AC on the amount of clean water specified in the technical table slowly and mix to obtain a homogeneous paste free from lumps. A low speed mixer is recommended to mix. Do not add any additive which is not mentioned in the instructions for the application.
- Allow the mortar to stand for 5 minutes to mature. After remixing for 1-2 minutes, the paste is ready for application.

As a primer on concrete;

- Application should be in maximum 1 mm thickness. For highly absorbent surfaces, the second layer should be applied after the first layer is dried.
- For very porous and highly absorbing subfloors a second layer should be used. Do not apply the second layer until the first layer has dried completely.
- Concrete surfaces can be covered with repair mortar 30 minutes after the application is completed.

As an adhesion improver coating on steel;

- Application should be done in two layers of 1 mm thickness each by a medium hard brush.
- Concrete surfaces and reinforcements can be covered with repair mortar 30 minutes after the second coat is applied.

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Post-Application Protection & Suggestions

- The product should be used within 60 minutes. Weather conditions such as high temperature, low humidity, and wind may shorten this period.
- Dispose mortars of which pot life is expired.
- Clean tools and hands with water after application.
- The consumption values in the table refers to an average consumption amount. It may vary depending on the application conditions and surface properties.
- Since it contains cement, it irritates the eyes, respiratory system and skin. For further information refer to the safety data sheet.

Storage

- Packages should be kept dry and cool at between +5°C and +35°C in moisture free conditions. Avoid direct sunlight.
- Packages should be protected from water, frost and adverse weather conditions.
- Maximum 3 pallets should be stacked on top of each other.
- Shelf life is maximum 12 months conditional to complying with the above mentioned conditions.

Packaging

- 25 kg multi-ply paper bags.

Quality Certificates

CE

Conforms EN 1504 – 7

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Technical Properties

(at 23 °C and 50% RH)

General Data

Appearance	Red powder
Shelf Life	12 months when stored in the original sealed packing in dry place.

Application Data

Application Temperature Range	(+5°C) - (+35°C)
Mixing Ratio	4.5 - 5.25 liters water / 25 kg powder (brush/roller application)
Pot Life	60 min
Consumption	2 kg/m² (per 1 mm thickness)
Waiting Time Between Each Coat	4 - 5 hours
Application Thickness	1 mm

Performance Data

Compressive Strength (28 days; EN 196-1)	60 - 75 N/mm^2
Flexural Strength (28 days; EN 196-1)	5 - 10 N/mm^2
Bonding to Concrete (28 days; EN 1542)	1.5 - 2.5 N/mm^2
Resistance to Corrosion	Test passed
Dangerous Substances	See SDS.
Reaction to Fire (EN 13501-1)	A1

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