

Repcoat ZR471

Two component epoxy based zinc rich primer for steel



Description

Repcoat ZR471 is a two component, epoxy solvent based, zinc rich coating, designed to provide active anti-corrosion coating for steel reinforcement, steel structure, tanks, pipelines, plant components, etc.

Applications

Repcoat ZR471 is used as protective and anti-corrosion coating for all forms of steel structures and re-bars.

Also suitable for coating over galvanized steel.

Advantages

- ▲ Provides a protective coating from corrosion for steel, and galvanized steel substrates.
- ▲ Excellent resistance to salt and chloride attacks.
- ▲ Excellent overcoating characteristics.

Method of Use

Substrate Preparation

The steel surface must be cleaned from any corrosion deposits and loose scale. It is recommended to use grit blasting for surface preparation. Steel brush can be used for steel cleaning. In all cases the steel should be clean and bright after cleaning.

Mixing

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used. Stir the content of each component separately to disperse any settlement. Add the entire content of the hardener to the base and mix for 3 minutes and until uniform colour and consistency are achieved.

Application

Repcoat ZR471 can be applied by brush, roller or airless spray machine. The first coat should be applied to obtain a continuous uniform coating. Where needed, a second coat should be applied within the over coating time to achieve the maximum adhesion between the two coats.

Application should be carried out as soon as possible after finishing the surface preparation, and in all cases not exceeding 4 hours.

Technical Properties:

| | |
|-------------------------|---|
| Colour: | Grey, red, green |
| Mixed density: | 1.35 ± 0.05 kg/ltr |
| Pot life: | 90 - 120 min @ 35°C 120 - 180 min @ 25°C |
| Touch dry: | 90 min @ 35°C |
| Minimum recoating time: | 5 hr @ 35°C |
| Working temperature: | 5 - 45°C |
| Service temperature: | Up to 60°C |
| Volume solids: | 50 ± 5% |

Packaging

Repcoat ZR471 is available in 1 and 5 kg packs.

Coverage

The coverage rate per 5 kg pack is between 15 - 25 m² to give a dry film thickness between 70 - 120 micron per coat.

Storage

Repcoat ZR471 has a shelf life of 12 months from date of manufacture if stored in dry conditions away from direct sunlight at temperatures between 5°C and 35°C.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

Cautions

Health and Safety

Repcoat ZR471 should not come in contact with skin and eyes.

In case of accidental splashes to the eyes, rinse thoroughly with clean water and seek medical advise. Suitable protective gloves and goggles should be worn.

For further information refer to the Material Safety Data Sheet.

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Fire

Repcoat ZR471 and DCP solvent are flammable. Ensure adequate ventilation. Do not use near a naked flame and do not smoke during use.

Flash Point:

Repcoat ZR471: 40°C.

DCP solvent: 37°C.

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- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
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- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

