

JAZEGARD - SR

Single Component, Anti-corrosion, Polymer Modified, Cement-based Reinforcement Protection

Product Description

JAZEGARD – SR is single component, polymer modified, cement – based anticorrosion protection for steel reinforcement. It is also used as bonding slurry for concrete a part of the repairing system. It provides steel protection against water – soluble salts such as chloride and aggressive media. It contains hydraulic binder, anticorrosion pigment, acrylic in powder form and modifiers to improve its performance.

Uses

JAZEGARD - SR is formulated to be used as an anti-corrosion primer protective coating for concrete steel reinforcement in:

- Pipelining and sewage treatment plants.
- Steel reinforcements in aggressive media.
- Primer for protecting concrete steel reinforcement.
- Bonding slurry on concrete surfaces.
- As a part of concrete repairing package.

Advantages

- Easy to apply by suitable brush or roller.
- Single component.
- Economical.
- No restrictive pot life and wastage.
- Restore pH value of concrete in the repaired areas.
- Shorter recoating time
- Highly durable and corrosion resistance.
- Excellent impact resistance.
- Excellent adhesion to steel & concrete substrates.
- Chemical resistant to water, water-born salts.
- Long term protection.
- Can be applied on damp surfaces.
- Formulated to be suitable for the Middle East Climates.

Standards

JAZECOAT - ZR complies with BS 4652 Type 2

Technical Properties

Appearance	Reddish grey powder
Mixing water	5 – 6 liters / 25-Kg
Specific Gravity @20 °C	1.90
Tack free time	60 minutes @ 25 °C

Recoat time	3 - hours @ 25 °C
Compressive strength (N / mm²)	50
Flexural Strength (N / mm²)	7
Adhesion (N / mm²)	3.5
Linear Thermal Coefficient	12 X 10 ⁻⁶ mm /mm per °C.
Yield	15 liter per 25 Kg
DFT per coat	> 1000 microns
Coverage	About 2 m ² per liter/ 1-mm.

Guide for Applications

Surface Preparation

All surfaces shall be sound, clean free from dust, grease & oils, or other materials may affect the bond of the product and the substrates. Rust traces shall be removed.

Mixing

Put 5 – 6 liters of clean water in the mixing vessel and gradually add JAZEGARD SR while mixing till homogenous colour & consistency is achieved. An electric drill of low speed (400 – 500 rpm) is recommended to achieve optimum properties

Application

Apply the mixed materials immediately after complete of surface preparation by suitable brush, roller or spray methods.

The surface shall be coated completely ensuring uniform and full coverage.

If this is a part of concrete repairing system, cementitious or repairing mortar can be applied as JAZEGARD - SR becomes dry.

Packaging

JAZEGARD - SR is supplied in 10-Kg or 25-Kg packs in well sealed containers.

Storage & Shelf-life

JAZEGARD - SR shall be stored in normal conditions away from any source of moisture.

Shelf – life is 12 months if stored properly.

Health & Safety

- JAZEGARD - SR is toxic, non-corrosive and not hazardous.
- For Ecology: Do not dispose directly to water or soil. Mix it with water, wait till hardening and then bury in landfill in accordance with the local regulations.
- Splashes on skin will be washed with water and soap.