

LVAZINC EP

Zinc Rich Epoxy Primer

Description:

LVAZINC EP is a high quality zinc rich epoxy primer designed to provide strong protection to exposed steel reinforcement prior to application of repair works. Once applied it cures to a tough, chemical resistant, water tight coating that has excellent adhesion to the steel.

Uses:

- Protection layer for steel reinforcement against corrosion when concrete repair is required.
- To Provides positive protection of steel.
- Repair of old zinc rich coating or on galvanized steel surfaces.
- Primer for industrial protective coatings of steel surfaces.
- Can be used as a protection primer in chemical process industries, refineries, sewage plants and off shore structures

Advantages:

- Excellent adhesion to metallic surfaces and reinforcement steel.
- Excellent positive protection against corrosion.
- Sacrificial anode technology.
- Excellent mechanical properties.
- Two components to insure higher curing process in humid environment.
- High metallic zinc content which provides an adequate protection with one coat.

Instructions for Use:

Surface Preparation:

The reinforcing bars must be clean from dirt, residue, weak concrete, grease substances and rust. Clean bars using steel brush. If that was not sufficient to clean the steel bars, then Sand blasting should be used for deep cleaning. Continue cleaning until removing all the rust. Once the steel bar is totally clean, coat immediately with LVAZINC EP to protect the steel from further rusting to start.

Mixing:

LVAZINC EP is composed of two pre-weighted components that must be mixed well before use. Mix the two components of LVAZINC EP thoroughly, till a homogenous mixture is reached. The mixture must be applied by using brush onto the prepared surface.

Application:

Apply the primer to the steel reinforcement using a brush. Ensure full coverage of the rebar or the steel surface. One rich coat is normally sufficient to provide a primer layer or a protection layer. In order to guarantee the necessary protection of substrate, it is advisable to apply two coats of LVAZINC EP. Second coat should be applied on the first coat once it is totally dry. Repair mortars can be applied once the coat is totally dry.

If LVAZINC EP is used as a primer, then ensure that it is fully cured prior to apply finishing top coat. Do not apply thick coat in single application in order to allow all the primer to cure properly. For built up thickness, successive coatings of LVAZINC EP can be applied.

TECHNICAL PROPERTIES	
Color	: Grey
Solid Contents By Volume:	: 62 ±3%
Recommended film thickness	: 50-100 microns DFT
Recoating interval:	: 2-3 hours
Drying time	: 4 – 6 hours
Specific gravity	: 1.2
Heat resistance	: 220°C @ dry intermittent
Flash point	: 27°C

Coverage:

Theoretical coverage would be 10 m² per litre of at 60 micron dry film thickness.

Packaging:

LVAZINC EP is supplied in one litre of two parts component kit.

LVAZINC EP

Storage:

Store in original container in dry place away from direct sun light away from sources of heat or ignition and in temperature controlled warehouse.

Shelf Life:

LVAZINC EP can be used within 12 months of production date if stored in proper conditions in unopened original packing.

Cleaning:

Clean tools and equipment with ARMOSOLVENT before material harden.

Remarks:

- High temperature reduces pot life and drying time.
- Minimum temperature for application is 5°C.
- Should not be applied on rusty surface or existing coating, otherwise the applied coatings will peel off.
- Should not be exposed to aggressive acids or solvents.

Health and Safety:

- Use goggles and gloves during application. Do not breathe vapor of products.
- Avoid contact with eyes or skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical help.

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This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

