

# LAVAZINC EP

## Zinc Rich Epoxy Primer

### Description:

LAVAZINC 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 provide 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 ensure 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 removing all the rust. Once the steel bar is totally clean, coat immediately with LAVAZINC EP to protect the steel from further rusting to start.

### Mixing:

LAVAZINC EP is composed of two pre-weighted components that must be mixed well before use. Mix the two components of LAVAZINC 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 LAVAZINC 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 LAVAZINC 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 LAVAZINC EP can be applied.

TECHNICAL PROPERTIES	
Color	Gray
Density	2.4 ± 0.03 kg/lit
Solid Content	62 ±3%
Recommended film thickness	50-100 microns DFT
Recoating interval	2-3 hours
Drying time	4-6 hours
Heat Resistance	220°C @dry intermittent
Water Resistance	Excellent
Solvent Resistance	Very good
Adhesion	Excellent
Flashpoint	27°C

\*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

# LVAZINC EP

## Coverage:

Theoretical coverage would be 10 m<sup>2</sup> per liter at 60 micron dry film thickness.

\*Coverage rate is an approximate value, and subject to actual site conditions.

## Packaging:

LVAZINC EP is supplied in one liter of two component kit

## 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 an unopened original packing.

## Cleaning:

Clean tools and equipment with ARMOSOLVENT before material harden. Hardened material can only be removed mechanically.

## 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:

Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapor or spray mist. The product is flammable, keep away from sources of ignition. DO NOT SMOKE. Take precautionary measures against static discharge.

## FIRST AID:

Eyes:	In the event of accidental splashes, flush with warm water and seek medical advice.
Skin:	Wash skin thoroughly with soap and water
Inhalation:	Remove to fresh air, keep patient rested.
Ingestion:	Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to LVAZINC EP Material Safety Data Sheet.

MATEX Rev.03-1221

MATEX warrants that its products are free from material and manufacturing defects. Instructions on how to use the product should be strictly followed to ensure effectivity and safe use. MATEX shall not be liable either directly or indirectly for any damages to personal, equipment or products that may occur as a consequence of the failure of any products application because it has no direct or continuous control over where or how its products are applied. It is the user's responsibility to acquire always the updated version of datasheets.

