

# ALEX ZINC RICH-1



## Single Component Epoxy Zinc Rich Primer

### Description

**ALEX ZINC RICH-1** is supplied as single component grey- coloured liquid based on metallic zinc and epoxy resins.

### Uses

- **ALEX ZINC RICH-1** is the recommended anti-corrosion primer for exposed steel reinforcement for use with ALEXCHEM concrete repair mortars.
- The product actively resists corrosion within the confines of the repair location and avoids the generation of incipient anodes in immediately adjacent locations.
- Pipe lines.
- Sewage treatment plant.
- Primer to steel surface.
- Steel structure subjected to aggressive environment.

### Advantages

- Excellent adhesion to steel
- Easy to use single component material
- Short over coating time
- Active zinc system combats corrosion by electro- chemical means
- Easily brush applied
- High mechanical wear strength
- High resistance to weather
- Long life steel protection

### Surface preparation

Expose fully any corroded steel in the repair area and remove all loose scale and corrosion deposits. Steel should be cleaned to a bright condition paying particular attention to the back of exposed steel bars. Grit-blasting is recommended for this process to reach Swedish standard SA 2 1/2

Where corrosion has occurred due to the presence of chlorides, the steel should be high-pressure washed with clean water immediately after grit-blasting to remove corrosion products .

### Properties

Specific gravity	1.8	25°C
Drying times	20°C	35°C
Touch dry	45 mins	15 mins
Recoat time	5 hours	25°C
	3 hours	40°C
Solid content	60%	

### Guide to application

#### **Application:**

Apply one full and unbroken coat of **ALEX ZINC RICH-1** by Suitable brush, roller or spray in the prepared surface making sure that the back of exposed steel reinforcing bars is properly coated.

A small brush is generally more suitable for this purpose.

Allow to dry fully before continuing.  
If any doubt exists about having achieved an unbroken coating, a second application should be done as soon as the first coat is fully dry (generally between 30 minutes and 60 min).  
The primed surfaces should not be left exposed to the elements for longer than necessary before over coating or application of the repair material.  
In case of using spray the recommended nozzle size (0.35 to 0.65mm), and use **ALEX SOLVENT NO 20** while spraying.

**Mixing:**

- Still mix till achieve a homogenous consistency.

**Coverage:**

When used for coating steel 1 kg of **ALEX ZINC RICH-1** will cover 4.45m<sup>2</sup>/kg per coat to achieve thickness of 75 microns.

**Storage:**

Store out of direct sunlight, clear of the ground on pallets protected from rain fall. protect from extremes of temperatures.

**Packing:**

Is supplied in 1kg, 5kg pack.

**Shelf life:**

Up to 6 months if stored in unopened Containers according to the manufactured Instructions

**Safety precautions:**

- Avoid contact with eyes, mouth, and skin.
- Flammable. Keep away from sources of ignition. No smoking.  
In the event of fire, extinguish with CO<sub>2</sub> of foam. Do not use a water jet.
- Application must be done away from any source of heat or racket floe.

**Guarantee:**

All precaution is taken in manufacture of each product to comply with the standard of each material.

The data sheet for each product for information only and may be corrected and no liability is accepted for it.

The results may have variation because the method of their use condition under which they are applied cannot be anticipated.

**Technical Service:**

For any technical advice for using the **ALEXCHEM** contact the technical office.

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