



## Roka ZR Primer

### Two Component, Zinc Rich Epoxy Based Coating for Steel Reinforcement

Roka ZR Primer is a two component, low solvent, zinc rich epoxy based anti-corrosive galvanizing compound use as a primer and protective coating for steel.

#### Uses & Advantages:

- Easy application.
- Excellent corrosion protection.
- High mechanical properties.
- Resistant to weathering.

#### Fields of Application:

Roka ZR Primer can be applied as a primer for coating or as a protective coating on structures which are subjected to atmospheric exposure or mechanical wear like

- Tanks.
- Gates.
- Steel liners of penstocks.
- Interior of pressure pipelines.



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## Technical Information:

Chemical Base	Zinc Rich Epoxy Resin
Color	Part A: Grey Liquid Part B: Light Brown Liquid
Density	~2.15 kg/l
Viscosity	700 cP at 25°C
Mixing Ratio	A : B = 96 : 4
Pot Life	~2 hours
Substrate Temperature	8°C to 35°C
Substrate moisture content	< 4%
Ambient air temperature	8°C to 35°C
Relative air humidity	Maximum 75%
Tack Free Time	~25 minutes at 25°C
Overcoating Time	Before applying Roka ZR Primer on Roka ZR Primer: ~1 hour at 30°C Before applying topcoat on Roka ZR Primer: ~2 hours at 30°C
Curing Time	7 days
Tensile Adhesion Strength	≥ 2.0 N/mm <sup>2</sup>



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Thermal Resistance	Up to 50°C dry heat
Shrinkage	<1%
Swelling	Absorption < 1%
Tensile Strength	29 psi
Lap Shear Strength	17 psi
Elongation at Break	44%
Packaging	5 liters
Shelf life	12 months if kept in recommended conditions
Storage	Store in a dry, cool area in unopened and undamaged packaging, between temperature 5°C - 30°C and away from direct sunlight.

### Surface Preparation:

The surface must be dry, clean and free from any foreign contaminants like oil, grease and laitance etc. Steel must be blast cleaned to Sa 2.5 prior to the application.

### Mixing:

Mix Part A thoroughly until a uniform color is achieved. Add Part B to Part A and mix the two components using a slow speed electric mixer with a paddle attachment for 2 minutes until a uniform color is achieved. Scrape down the sides and bottom of the mixing container to ensure complete mixing. It is important to avoid excessive mixing to avoid air entrapment.



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## Application:

Roka ZR Primer can be applied either with a brush or an airless spray. For brush application, apply 1 – 2 coats using a soft brush. For spray application, apply a single coat sufficient to wet the surface.

## Cleaning:

Clean all the tools and equipment with Roka Thinner immediately after use. Hardened material can only be removed mechanically.

## Important Note:

The information provided in this data sheet is based on ongoing development efforts and extensive field experience. While we strive to ensure the accuracy and reliability of the information, we cannot assume responsibility for any work performed using our materials, as we have no control over application methods, site conditions, and other factors. Due to ongoing research and development in our laboratories, we recommend that customers verify that this data sheet has not been replaced by a more recent publication.

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