



Roka Zinc Phosphate Primer

High Build, Two Component, Epoxy Based, Polyamide Cured Zinc Phosphate Primer

Roka Zinc Phosphate primer is a high build, heavy duty, two-component, epoxy-based primer with anti-corrosive and excellent chemical and solvent resistant properties.

Uses & Advantages:

- Easy application.
- Anti-corrosive.
- Excellent resistance to chemical and solvents.
- Non-toxic once cured.

Fields of Application:

Roka Zinc Phosphate Primer is used as a heavy-duty primer for prepared steel surfaces in:

- Food and beverage plants.
- Sugar Mills.
- Textile Plants.
- Paper Mills.
- Oil Fields.



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- Chemical Power Plants.
- Storage Tanks.

Technical Information:

Chemical Base	Polyamide Cured Epoxy Zinc Phosphate
Color	Red Oxide, Grey
Finish	Semi-gloss
Mixing Ratio	A : B = 4 : 1
Volume Solids	55±4%
Weight Solids	70±4%
Flash Point (Mixed Material)	23°C
Dilution	Roka Thinner EP
Theoretical Coverage (Assuming no loss)	11 m ² /l
WFT	~ 85±5 µm
DFT	~50 µm
Touch Dry	2 hours
Full Cure	7 days
Resistance to Acids	Suitable for splash and spillage exposure to inorganic acids.



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Resistance to Solvents	Suitable for splash or spillage, or common alcohols, aliphatic and aromatic hydrocarbons.
Resistance to Alkalis	Excellent resistance to splash and spillage of most common alkalis.
Water Resistance	Suitable for immersion in fresh and salt water when properly top coated,
Abrasion Resistance	Excellent
Heat Resistance	Up to 120°C (Dry)
Toxicity	Non-toxic once cured.
Shelf life	12 months if kept in recommended conditions
Storage	Store in a dry, cool area in unopened and undamaged packaging and away from direct sunlight.

Surface Preparation:

Before the application, the surface must be clean and free from any foreign contaminants like oil, grease and laitance etc. Acid or alkali contamination must be removed by rinsing the surface with clean water. Lightly abrade the surface and dust off the surface before the application of Roka Zinc Phosphate Primer.



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Mixing:

Stir both the components thoroughly before mixing with part B. Mix both the parts in the ratio of 4 parts of component A to 1 part of component B, until the desired consistency is achieved.

Application:

Roka Zinc Phosphate Primer can be applied using a conventional spray, airless spray, or a bush/roller.

Conventional Spray:

Dilute the mixed material with 5 – 10 % of Roka Thinner EP to aid atomization. Apply a thin layer of the coating ensuring overlapping each pass.

Airless Spray:

Thinning is not usually required whilst application with an airless spray. But 50 ml/l of Roka Thinner EP can be used to ease application. Using a suitable spray, fitted with recommended 375 micrometers fluid tip at 2000-3000 PSI. Apply a thin layer of the coating ensuring overlapping each pass.

Roller/Brush:

Thin the material with up to 60ml of Roka Thinner EP per liter of the material and apply even coats to the prepared surface.



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Important Remarks:

- Freshly mixed material must not be added to material which has been in use for some time.
- Do not apply if the temperature is below 10°C.
- Do not apply if relative humidity exceeds 85%.
- Ensure the working area is well ventilated and avoid inhalation of vapours and spray mist.

Cleaning:

Wash all the tools and equipment with Xylene immediately after use.

Health and Safety:

Use of protective clothing, safety goggles, gloves and combined organic vapour respirator is recommended while handling Roka Zinc Phosphate Primer. Avoid contact with skin and avoid vapours or mist inhalation. In case of any contact with skin, immediately clean with industrial skin cleanser followed by washing with soap and water. Any splashes in eyes should be cleaned with plenty of clean water and seek medical assistance immediately.

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



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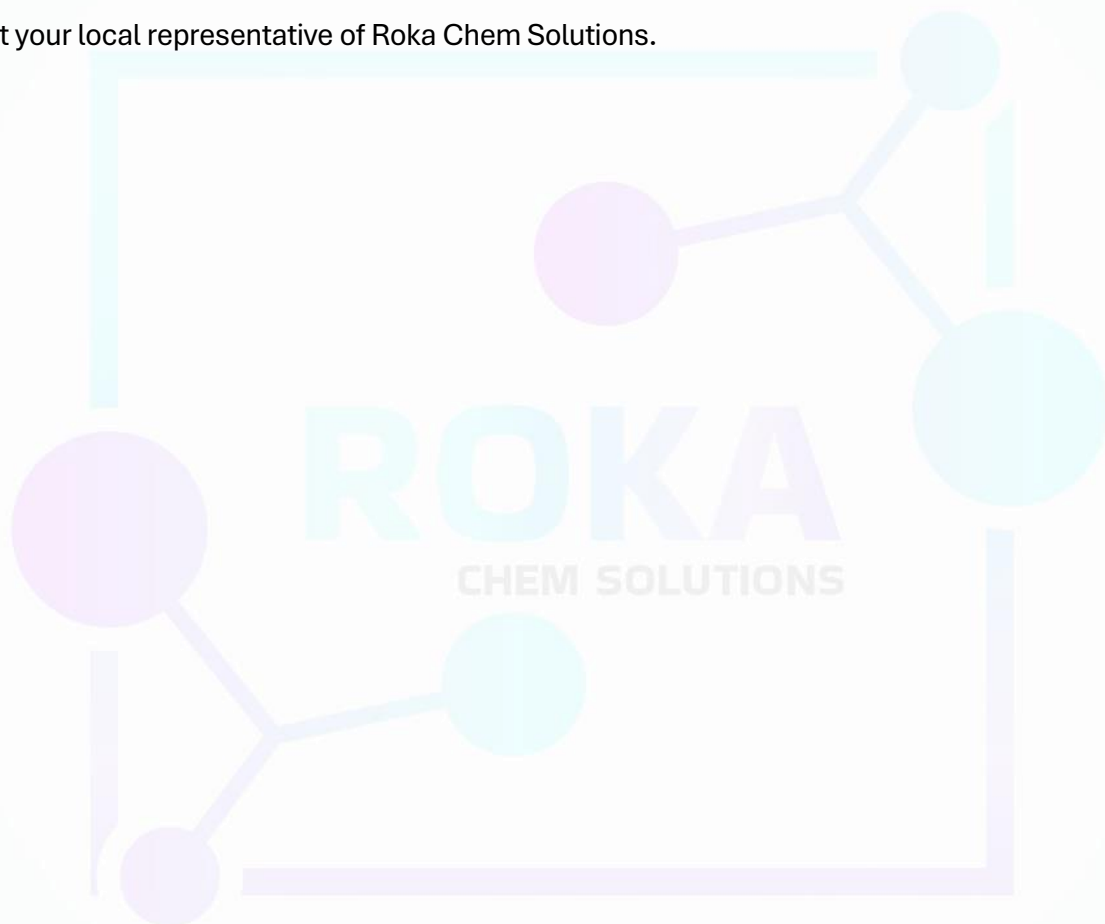


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development in our laboratories, we recommend that customers verify that this data sheet has not been replaced by a more recent publication.

All products are sold under our standard conditions of sale, which are available upon request. Any field services offered do not imply supervisory responsibility. For further information, please contact your local representative of Roka Chem Solutions.



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