



## Roka Guard MF

### Two Component, Polyamine Cured Phenolic Coating

Roka Guard MF is a two-component, polyamine cured phenolic epoxy coating with excellent chemical and heat resistance properties.

#### Uses & Advantages:

- Anti-corrosive.
- Excellent chemical resistance.
- Excellent solvent resistance.
- Excellent heat resistance.

#### Fields of Application:

Roka Guard MF is used as a maintenance coating in

- Thermal Power Plants.
- Chemical Plants.
- Petrochemical Plants.
- Fertilizer Plants.
- Effluent Treatment Plants.



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## Technical Information:

Chemical Base	Polyamine Cured Phenolic Epoxy
Finish	Semi-gloss
Mixing Ratio	3.5 : 1 by volume
Volume Solids	62±5% (combine)
Weight Solids	73±5%
Flash Point (Mixed Material)	23°C
VOC	Nil
Dilution	Roka Thinner up to 20% by volume
Primer	Steel: Roka Zinc Phosphate Primer Concrete: Roka Primer EP- 1
Theoretical Coverage (Assuming no loss)	8 m <sup>2</sup> /l
WFT	110 - 125 µm
DFT	70 – 80 µm
Touch Dry	2 hours at 25°C
Recoat Time	16 hours at 25°C
Full Cure	7 days
Chemical Resistance	Excellent
Resistance to Solvents	Excellent



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Water Resistance	Good
Weatherability	Not recommended for outdoor exposure
Abrasion Resistance	Good
Heat Resistance	Up to 200°C (Dry)
Toxicity	Non-toxic once cured.

### 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 Guard MF.

### Mixing:

Mix both the components thoroughly before mixing. Add component B to Component in the ratio supplied and mix until a uniform color and consistency has been achieved.

### Application:

Pour the liquid into a suitable low-pressure sprayer with an adequate tip. Apply a light mist of Roka Aqua Phobe – WB to break the surface tension before the main application. Apply in a consistent manner, ensuring adequate overlap of the material when applying. Ensure that the surface



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is completely wetted out in one application. Apply subsequent pass “wet on wet” until the required consumption is achieved.

### 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 Roka Thinner or MEK immediately after use.

### Health and Safety:

Use of protective clothing, safety goggles, gloves and combined organic vapour respirator is recommended while handling Roka Guard MF. 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.



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## 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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