



Roka Emulsion Prime Coat

Bitumen Emulsion Prime Coat

Roka Emulsion Prime Coat is a brown liquid, ready to dilute and use emulsified bitumen prime coat available in three grades, Rapid Set, Medium Set and Slow Set.

Uses & Advantages:

- Penetrates rapidly into the absorbent surface and binds the granular material together.
- Plugs capillary voids.
- Toughens the surface.
- Provides adhesion between the base and the next course.
- Partially waterproofs the treated areas to make them resistant to water erosion.
- Enhances structural strength of layers.
- Provides an impervious layer to prevent water ingress from water table below.

Fields of Application:

Roka Emulsion Prime Coat is recommended for:

- Protecting underlying layers from wet weather.
- Stabilizing or binding the surface fines together and promoting bond to the HMA layer.
- Increasing the bond strength at the interface between a compacted base and asphalt layer.



+92 321 4543320



info@rokachemsolutions.com



rokachemsolutions.com



83 A, Block C, PAF Colony, Zarar
Shaheed Road, Lahore Cantt, Pakistan



Technical Data:

Color	Brown
Consistency	Liquid
Freezing Point	~ 0°C
Residue	55 – 60 %
Particle size	5 - 6 microns
Saybolt Furol Viscosity at 25 °C	20 – 30 Sec.
Settlement at 5 days	< 3%
Initial Setting Time at 30 °C	Rapid Set: 2 hours Medium Set: 4 hours Slow Set: 6 hours
Final Setting Time at 30 °C	Rapid Set: 5 hours Medium Set: 24 hours Slow Set: 24 hours



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Shelf Life	12 months
Storage Conditions	Keep within the range of 5°C to 50°C

Direction for Use:

Roka Emulsion Prime can be applied in some conditions without any preparation. However, in case of an extremely dry material, the presence of highly compacted areas, potholes, and high spots, the performance of Emulsion Prime Coat will be reduced. It is recommended to take the following steps for optimum results.

Grading:

Remove, mix and replace the top 50 to 150 mm of material using a road grader, an angled dozer or shovels and rakes. Ensure that the surface is free from local high spots and potholes, and that the material is evenly mixed and distributed to avoid segregated pockets of coarse or fine gradation. In the case where planning section is not required, the top surface should be scarified for 12.5 to 25 mm.

Application:

Dilute the primer coat prior to the application, in Emulsion to Water Ratio of 3:1 or 2:1. Check the compatibility of water with emulsion in laboratory, prior to the emulsion dilution at site. Apply at the coverage rate of 0.65 – 1.75 kg/m² as specified in NHA's General Specification.



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Allow penetration and drying. Usually, traffic should not be allowed on to this for 24 hours but if traffic must use the road a thin layer of sand can be spread. Final surfacing may be done the next day.

Limitations:

- Check the compatibility of water with emulsion in laboratory, prior to the emulsion dilution at site.
- Roka Emulsion Prime Coat should not be applied if ambient temperature is below 10°C or when rain is imminent.
- Roka Emulsion Prime Coat may be harmful to growing plants, since like any other oil, it seals pores and interferes with intake of carbon dioxide.
- Prevent spraying on buildings, fences, and other areas where dark stains are undesirable.

Protection After Application:

Traffic should be kept off the treated surfaces until the product has penetrated and the surface is no longer tacky. There should be no pickup of the treated materials on shoes or tires. If puddles develop in low spots, clean sand or soil should be applied to blot them.



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Health and Safety:

Use of protective equipment like gloves and safety goggles is recommended while handling and application of Roka Emulsion Prime Coat. In case of contact with eyes, immediately wash with plenty of clean water and seek medical assistance.

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.

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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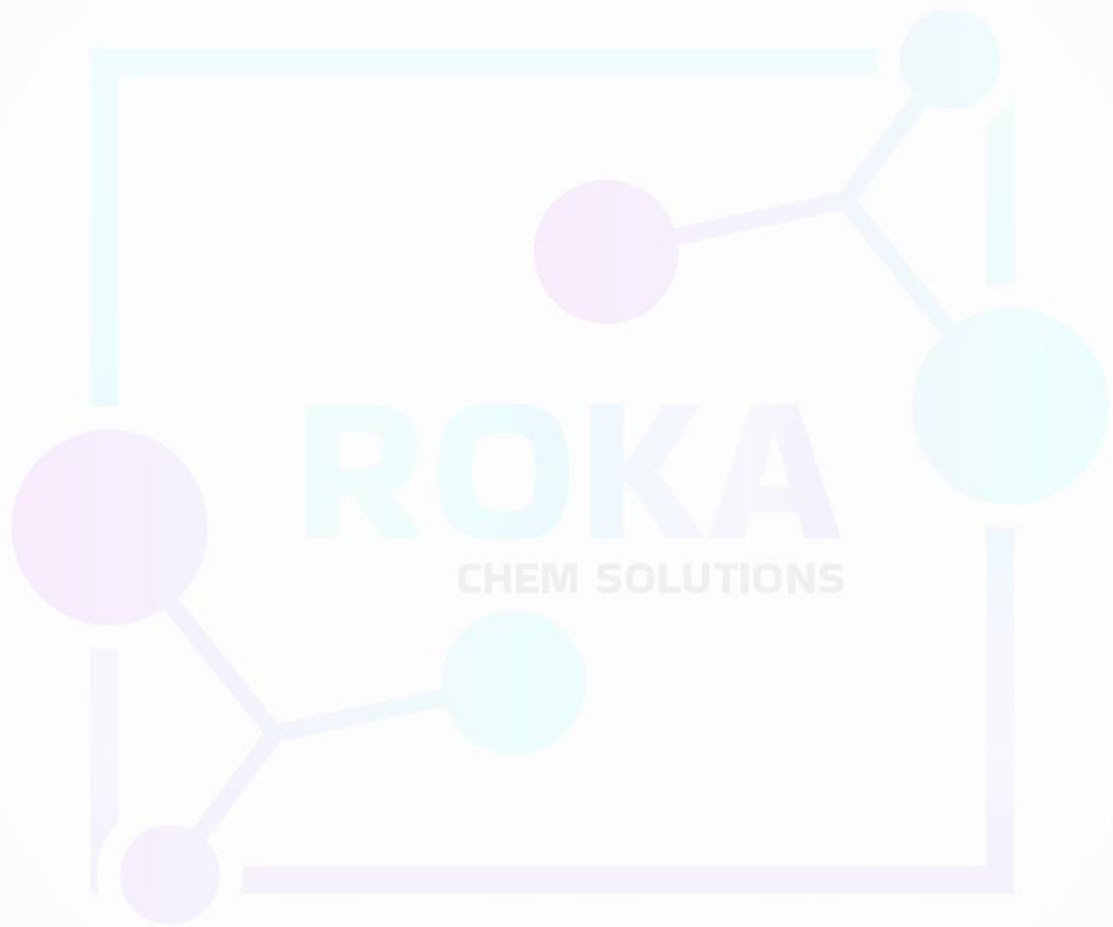
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