Roka Coat WB

Two Component Multipurpose Water Dispersed Epoxy Wall & Floor coating

Roka Coat WB is a solvent free, two-component, water dispersed, polyamide-cured epoxy. It is used as a protective, decorative, oil-resistant & damp proof coating for cementitious, masonry and asphaltic surfaces.

Uses & Advantages:

- Can be applied to damp surfaces as primer as well as final finishes.
- Easily overcoated at any time of maintenance.
- Oil & petrol resistant.
- Anti-fungal and antibacterial.
- Suitable for clean rooms.
- Economical.
- Tough protective & decorative coating.

Areas of Application:

Roka Coat WB can be used as a coating for both floors and walls in

- Food factories.
- Pharmaceuticals.
- Laboratories & operation theaters.
- Dairies & milking parlors.

- Nuclear decontamination areas.
- Shopping malls.
- Parking facilities.

Technical Data:	
Color	Light / Dark Grey. Other colors are available on request.
Consistency	Low viscosity liquid
Mixing Ratio	1:2 by volume
Relative Density	1.17-1.20 g/cm^3
Dilution (for bonding/priming)	Up to 10 - 15% water
Flash Point	None
Finish	Semi matt
Pot Life	90 min/5l at 20° C 45 min/5l at 30° C
Volume Solids	40% (Color Dependent)
Coverage for Above DFT	8 - 10m^2 / l on a smooth surface
Recommended Number of Coats	Minimum 2
Application Temperature Range	+5° C to +35° C

Drying Time at 25° C	**Touch dry:** 4-6 hours **Hard dry:** 24 hours **Ful cure:** 3 days **Total chemical reaction completion:** 7 days.
Overcoating Time at 25° C	4-6 hours minimum
Fire resistance of wet film	Non-flammable
Service Temperature	< +60° C
Impact Resistance	Five impacts of 1 kg Drop from 1 m
Scrub Resistance	Excellent
Weathering Resistance	Chalks on exposure to UV or sunlight
Water resistance	Withstands 18 months immersion test but is not recommended for continuous immersion service
Chemical Resistance	Withstands 40% caustic soda 5 % lactic acid 5 % acetic acid Vegetable and animal fats. Not recommended for continuous conditions
Solvent Resistance	Withstands petrol Mineral and crude oils 50% ethyl alcohol – 12 months immersion test Not recommended for continuous immersion service

Sulphur Resistance	No change after 21 days in 1% by mass sodium sulphate

Packaging	5 liters containers
Shelf Life	12 months if kept in recommended conditions
Storage Conditions	Keep in a dry, cool store in the original, unopened packs

Surface Preparation:

Before the application, clean the surface using wet abrasive grinding or other suitable methods to ensure that the surface is free from any kind of foreign contaminants like dust, grease and oil. Any holes should be filled with an adequate mortar. The surface should be saturated but there should not be any standing water prior to the application of Roka Coat WB.

Mixing:

Pre-stir base and activator. Add the entire base to the activator and stir for at least 5 minutes using a slow speed electric drill fitted with a paddle until a smooth homogenous mixture has been achieved.

Coverage:

The coverage depends on the quality of the surface. For a smooth surface, Roka Coat WB gives a coverage of 8 - 10 m^2 / liter.

Application:

Roka Coat WB can be applied using a brush/roller or an airless spray using a ± 500µm tip. For best results, it is recommended to apply the first coat with a brush ensuring the coating penetrates well into the pores and capillaries. As soon as the surface is touch dry, apply the second coat using either a brush or an airless spray. Unless the treatment is required to provide chemical resistance, an additional two coats are normally sufficient. Chemical resistant work requires three coats.

Cleaning:

During brief interruptions of work, equipment should be immersed in clean water. At major stoppages it must be washed with soap and water or with super brush cleaner. Cured Roka Coat WB is almost impossible to remove.

Protection on Completion:

Until Roka Coat WB has fully cured, the surface must be protected from any kind of traffic and spillage. Like most epoxies, Roka Coat WB is not suitable for extensive sunlight or Ultraviolet exposure. Extensive exposure to sunlight leads to chalking and degradation of the surface.

Health and Safety:

Wet Roka Coat WB is toxic. Suitable protective clothing, gloves, eye protection and respiratory protective equipment should be worn. It is important to ensure that the area is well ventilated during application and drying. Avoid inhalation of dust and contact with skin and eyes. If any material comes in contact with the body, wash with water and soap immediately. In case the

material splashes in your eyes, immediately wash with plenty of clean water and seek medical assistance.

Once fully cured, Roka Coat WB is inert and harmless.

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.