



Roka PU 500

Two Component, Polyurethane Based Chemical Resistant, High Gloss Coating

Roka PU 500 is a two component, polyurethane based, direct gloss and color retention top coating with excellent chemical resistance, weatherability and durability.

Uses & Advantages:

- High gloss finish.
- Excellent weatherability.
- Excellent chemical resistance.
- Good abrasion resistance.
- Does not chalk easily despite exposure to UV light.

Fields of Application:

- Clean rooms in pharmaceuticals.
- Hospitals.
- Garages.
- Power Stations.
- Paper Mills.



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Technical Information:

Chemical Base	Polyurethane Based
Color	RAL Colors
Finish	High Gloss
Mixing Ratio	A : B = 4 : 1
Volume Solids	45±4%
Weight Solids	60±4%
Flash Point (Mixed Material)	23°C
Dilution	Roka PU Thinner
Pot Life	3 – 4 hours
Theoretical Coverage	8 m ² /l
WFT	120 ± 10 microns
DFT	55 ± 5 microns
Recommended Number of Coats	1- 2
Recoating Time	Minimum: 10 hours Maximum: 48 hours
Resistance to Solvents	Suitable for splash or spillage of common solvents.
Corrosion Resistance	Unaffected by salt water or aggressive industrial



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	environments.
Chemical Resistance	Excellent
Water Resistance	Excellent
Weatherability	Excellent
Abrasion Resistance	Excellent
Heat Resistance	Up to 100°C (Dry)
Toxicity	Non-toxic once cured.
Shelf life	12 months if kept in recommended conditions
Storage	Store in a dry, frost free area in unopened and undamaged packaging and away from direct sunlight.

Surface Preparation:

Steel Structure:

The surface must be dry, clean and free from any contaminants. All kinds of oil and grease must be removed using a solvent. All traces of dust must be removed by dry brushing followed by a thorough rinsing with fresh water. For best results it is recommended that the surface should be suitably primed before the application.

Concrete:



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The concrete must be at least 28 days old, sound and free from any kinds of oil, grease and other contaminants. For old, damaged surfaces, all the voids and cracks must be filled with a suitable solvent free epoxy filler prior to application. Apply 1 – 2 coats of 50% thinned Roka PU 500 as a primer before the main application.

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 PU 500 can be applied using a conventional spray, airless spray.

Airless Spray:

Using a suitable airless spray, with an airless tip of 475 micrometers and an air supply of 80 – 100 psi, apply a thin layer of the coating to the surface with each overlapping pass.

Conventional Spray:

Using a conventional spray with suitable, air cap, fluid tip and needle and a pressure of 15 psi at pot and a pressure of 60 psi at gun, apply a thin layer of the coating to the surface with each overlapping pass.



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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%.

Cleaning:

Wash all the tools and equipment with Roka Thinner immediately after use.

Health and Safety:

Use of protective clothing, safety goggles, gloves and combined organic vapour respirator is recommended while handling Roka PU 500. 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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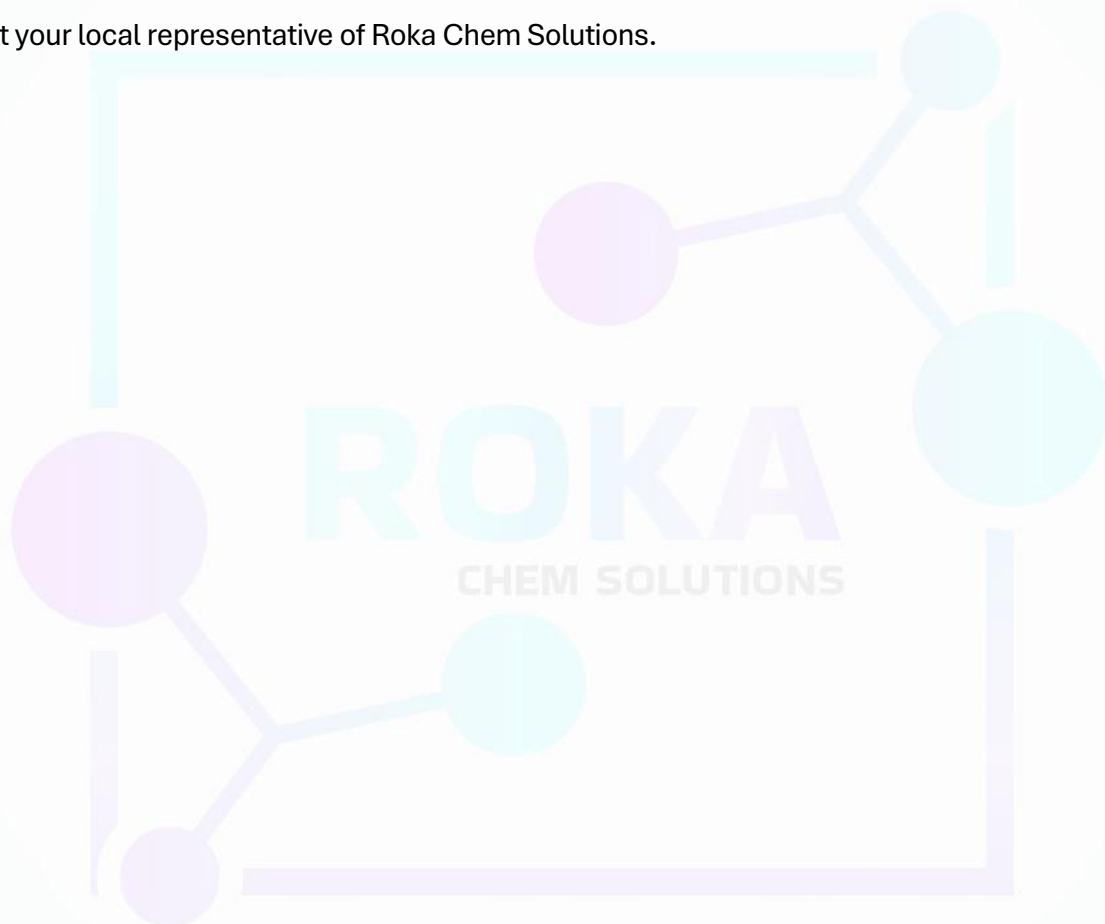


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development in our laboratories, we recommend that customers verify that this data sheet has not been replaced by a more recent publication.

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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