



E2

POLYWED SUPERCOAT 500

A NON-TOXIC SOLVENT FREE HIGHBUILD, PROTECTIVE EPOXY RESIN COATING

EPOXY RESIN COATING NON TOXIC

SUPER COAT 500 is a solvent free, non-toxic; high build epoxy resin protective coating with outstanding chemical and mechanical properties. SUPERCOAT 500 is supplied as a two component in pre-weighted base and hardener packs, ready for site mixing.

APPLICATION

SUPERCOAT 500 is designed for internal application such as: Heavy duty protective coating for concrete and steel. Internal protective lining for potable water concrete or steel tanks. Heavy duty wall and floor coating in food processing plants, grain silos, dairies, breweries, hospitals, and pharmaceutical industries. High chemical resistant protective coating for power stations, oil refineries, and sewage treatment plants.

ADVANTAGES

- Approved for use in contact with potable water. Excellent resistance to mould and fungus growth. Excellent resistance to a variety of chemicals.
- Easy to clean with a smooth, hard and glossy finish. Non-toxic.
- Exhibits good mechanical properties. Resistant to sewage effluents.

STANDARDS

SUPERCOAT 500 complies with the requirements of BS6920:2000

CLEANING

All tools should be cleaned immediately after application using POLYWED Solvent. Hardened materials must be cleaned mechanically.

PACKAGING

SUPERCOAT 500 is available in 5 kg and 15 kg packs.

STORAGE

SUPERCOAT 500 has a shelf life of 12 months if stored in dry conditions at room temperature in original unopened packs. If these conditions are not met, POLYWED technical department should be contacted for advice.

TECHNICAL PROPERTIES

Mixed density at 250C:	1.5/cm ³
Working life at 25°C:	30 minutes
Tack free time at 35°C:	Approx. 4 hours
Cure (by compressive strength) at 25°C:	>4N/mm ² at 12 hours >65N/mm ² at 4 days
Coverage:	0.29 - 0.40kg / m ² / coat
Finished film thickness:	180-240 microns per coat
Bond to concrete:	In excess of the cohesive strength of concrete
Full cure:	After 7 days @ 25 °C

NOTES

SUPERCOAT 500 should not be applied over existing coatings. But it can be applied on top of itself, by maintaining the mentioned recoat time. Application should not be undertaken if the temperature is below 5 °C, nor when the relative humidity exceeds 90%.

Application should not be done, when there is standing or running water.

SUPERCOAT 500 is not color stable when exposed to direct sunlight nor when in contact with some chemicals. However this color change does not affect the performance of the coating. Precaution is recommended if the application is taking place at high temperatures (above 30 °C).

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METHOD OF USE

Substrate preparation:

Concrete surfaces:

The substrate should be sound, clean and free from contamination. Surface laitance should be removed by grit blasting or water jetting. All exposed blow holes should be filled with epoxy Paste using EPOXY POLYPUTTY

Steel surfaces:

All surfaces should be grit blasted to reach a bright finish meeting the requirement of Swedish standard SA21/2.

Mixing:

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used. Stir the content of each component separately to disperse any settlement. Add the entire content of the hardener to the base and mix for 3 minutes and until uniform color and consistency are achieved.

Application:

SUPERCOAT 500 can be applied by roller. The first coat should be applied to obtain a continuous uniform coating. The second coat should be applied within the overcoating time to achieve the maximum adhesion between the two coats.

CAUTION

Health and Safety:

SUPERCOAT 500 should not come in contact with skin or eyes. Goggles and gloves should be used. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.



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