

PRODUCT DATASHEET

OMEGA UNIPOX Sealer 2200

General Description

A high quality, two-component polyamide cured epoxy primer and sealer formulated for use on both steel and masonry, and provides an excellent foundation for concrete epoxy floor coatings. The unique solvent-base product forms a sealed epoxy barrier that inhibits future corrosion, with good adhesion and wetting properties.

Recommended Use

Interior or exterior, concrete, galvanized, metal and reinforced steel. Designed for use on bare or previously coated concrete, "white-rusted" galvanized metal, and reinforcement of rusted steel. This product can also be used for swimming pools and water fountains. It seals loose edges and crevices, pinholes and other surface imperfections.

Features

- ✓ Seals previously coated concrete, masonry, galvanized metal and steel
- ✓ Extended cure time allows maximum penetration
- ✓ Easily fills voids and crevices
- ✓ Chemical and fume resistant
- ✓ Does not shrink – eliminates craters

Limitations

This is a two component product that requires 4:1 mixing with hardener. It has a pot life of 2 hours. This product will not cure at surface temperatures below 10 °C. All epoxy coatings will chalk and fade if applied on exterior surface subjected to direct sunlight. Moisture content must be < 12%.

Technical Data

Color	Transparent
Finish	Flat
Vehicle Type	Polyamide Epoxy
Pigment Type	N/A
Volatile Organic Compounds (VOC)	744 gm/Ltrs
Solids Contents	13% +/- 2% by volume
Dry Film Thickness (DFT)	Dry: 15 µm / 1.0 mils (indicative) Wet: 115 µm / 4.6 mils
Dry Time	To touch: 2 hours To recoat: min. 1 hour (30 °C), max. 72 hours (30 °C) High humidity and cool temperatures will result in longer dry, recoat and service time
Dries by	Chemical Cure Full cure after 7 days
Theoretical Spreading Rate (TSR) at Dry Film Thickness	8.6m ² per liter (depending on the nature and condition of the substrate)
Flash Point	23 °C / 72 °F
Specific Gravity	0.95 – 1.55 gm/cm ³
Surface Temperature at Application	Minimum allowed is 10 °C Maximum humidity during application and curing is 85% and dew point above 3 °C
Thin With	Omega Epoxy Thinner 9020, 5-15%
Clean Up Thinner	Omega Clean Thinner 9011
Available Package Size	5 Ltrs, 20 Ltrs
Shelf Life	24 months, sealed and kept at normal temperature (not in direct sunlight)

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Surface Preparation

The surface to be coated must be clean, sound and dry. Freshly poured concrete must age at least thirty days before coating. All oil, grease, release agents, curing compounds, concrete hardeners, laitance and other contaminants must be removed before coating. Previous paint finishes that have deteriorated need to be removed to bare concrete. Previous paint finishes that are in sound condition need to be cleaned and screened to a uniform dull condition.

For concrete: Curing compounds, concrete hardeners and previous paint finishes can be removed by chemical or mechanical methods. Using mechanical method, abrade or shot blast the surface until curing compound, hardener or paint is completely removed. For laitance removal etch the bare concrete. Neutralize the acid by rinsing a solution of 1 lb. Baking Soda to 5 gallons of water or a 5% solution of non-sudsing ammonia and water. When properly prepared, the bare concrete surface should resemble the texture of medium grade sandpaper. Whenever acid etching and/or shot blasting methods of surface preparation is used, it is important to leave the concrete with a uniform profile texture. Over profiling the concrete surface could damage the concrete integrity and will result in reduced coverage rates of primer and topcoat. After the concrete floor has been prepared and allowed to dry, apply a coat of Omega Solvent-base Epoxy Sealer 2200 with brush, roller or air spray. Allow at least 1 hour but not more than 72 hours dry time before applying the Omega Solvent-base Epoxy 4210 or Omega-equivalent finish coat. Steel and ferrous metals: Although Omega Solvent-base Epoxy Sealer 2200 is designed for use over less than ideal surfaces, performance will improve as surface preparation becomes better. The minimum surface preparation for using this sealer is a high pressure wash of at least 2500 PSI at 3 gallons per minute followed by a hand tool or power tool cleaning. For previously painted surfaces: Can be applied over old alkyd or thermoset finishes in good condition.

WARNING: If you scrape, sand or remove old paint, you may release lead dust. Lead is toxic. Exposure to lead dust can cause serious illness, such as brain damage, especially in children. Pregnant women should also avoid exposure. Wear an approved respirator to control lead exposure. Carefully clean up with a vacuum and a wet mop.

Application Method

This is a two component kit and is pre-proportioned for error free mixing. DO NOT vary from these instructions. Mix "A" and "B" separately before combining. Application can be by air spray, brush or roller.

System Specification

This product is used best with Omega's Epoxy coat systems. Use Omega Epoxy Sealer Hardener 8200 for mixing.

Storage and Handling

The product must be stored in accordance with national regulations and should be kept in a cool and well ventilated place. Protect from heat and direct sun light, handle with care and stir well before use.

Health and Safety

Apply under well-ventilated conditions. Do not breathe or inhale mist. When applying, wear air-mask and avoid skin contact. Spillage on skin should be immediately removed with suitable cleanser, soap, or water. Eyes should be well flushed with water and medical attention to be sought immediately.

Disclaimer

The information is given in good faith. We warrant our product is of good quality and manufactured in accordance to rigid standards. Failure of this product due to misuse or bad storage is beyond the manufacturer warranty. The company pursues a policy of continuous improvement in product innovation, and as such, reserves the right to change the given data without prior notice. Contact Omega's representative or visit www.omegapaints.net for more info.

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