

PRODUCT DATASHEET

OMEGA UNIPOX Zinc-Rich Primer 2222

General Description

A premium quality, two-component polyamide metallic cured zinc-rich epoxy primer. This product offers heavy-duty corrosion protection for interior or exterior ferrous metal and weathered galvanized metal in atmospheric environments where exposure to severe corrosion is possible.

Recommended Use

This protective coating is suitable for structural steel and piping exposed in severe corrosive environment.

Recommended for offshore environments, refineries, power plants, bridges, buildings, mining equipment and general structural steel, ferrous metals, and galvanized metals.

Features

- ✓ High performance primer for severe corrosion environment with strong resistance
- ✓ High zinc content delivers cathodic protection
- ✓ Can be top coated or left uncoated
- ✓ High coverage and quicker dry time

Limitations

Not for immersion service and non-metal surfaces. This is a two component product that requires 7 ½ : 1 mixing with curing agent. It has a pot life of 8 hours. This product will not cure at surface or air temperatures below 10 °C, or in relative humidity greater than 85%, or if surface or air temperatures are within 3 degrees of the dew point.

Technical Data

Color	Grey
Finish	Flat
Vehicle Type	Polyamide Epoxy
Pigment Type	Zinc
Volatile Organic Compounds (VOC)	394 gm/Ltrs
Solids Contents	50% +/- 2% by volume
Dry Film Thickness (DFT)	Dry: 50 µm / 2.0 mils Wet: 100 µm / 4.0 mils
Dry Time	To touch: 4 hours To recoat: min. 2 hours (30 °C), max. 4 days (30 °C) High humidity and cool temperatures will result in longer dry, recoat and service time
Dries by	Evaporation Full cure after 7 days
Viscosity	88-95 KU
Theoretical Spreading Rate (TSR) at Dry Film Thickness	10.0m ² per liter (depending on the nature and condition of the substrate)
Flash Point	23 °C / 72 °F
Specific Gravity	2.40 – 2.75 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, 5-20%
Clean Up Thinner	Omega Clean Thinner 9011
Available Package Size	5 Ltrs
Shelf Life	6 months, sealed and kept at normal temperature (not in direct sunlight)

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Surface Preparation

All surfaces must be sound, dry, clean and free of oil, grease, dirt, mildew, and mill scale, form release agents, curing compounds, loose and flaking paint and other surface contaminants.

The performance of this product is directly dependent upon the degree of surface preparation employed. All dirt, oils, accumulated salts, and other contaminants must be removed prior to employing specific surface preparation methods. Removal of all contaminants should be completed in accordance with SSPC-SP1.

For ferrous metal and weathered galvanized substrates should be in accordance with SSPC-SP10 Near White Blast for cleanliness. Conscientious power tool cleaning (SSPC-SP3) may be employed; however, for best results, power tool cleaning to bare metal (SSPC-SP11) is strongly suggested.

For new steel, abrasive blasting up to SA 2 ½ according to ISO 8501-1:1988 equivalent to BS 4232 second quality. Surface defects revealed by the blast cleaning process, should be ground, or treated accordingly. Anchor profile of Rz 50-75 5m is recommended.

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 by brush, roller or air spray. The suggested nozzle orifice is 1.8mm and nozzle pressure is 3-6 bar / 32-85 psi (indicative and subject to adjustments).

System Specification

This product is used best with Omega's Epoxy coat systems. Use Omega Epoxy Curing Agent 8222 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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