

PRODUCT DATASHEET

OMEGA UNIPOX Red-Oxide Primer 2212

General Description

A high quality, two-component polyamide cured epoxy primer formulated with zinc phosphate pigment which acts as corrosion-inhibiting pigment. Used for steel, the zinc phosphate mineral offers inhibitive or active corrosion protection to protect the steel substrate from rust, acting differently from other forms of corrosion protection.

Recommended Use

General purpose epoxy primer used best for steel and other ferrous and non-ferrous substrate for mild to severe corrosive environment.

Features

- ✓ Good adhesion on steel and aged epoxy coatings
- ✓ Excellent resistance to saline, marine and chemical environments
- ✓ High theoretical spreading rate
- ✓ Recommended for mild to severe corrosive environment

Limitations

This is a two component product that requires 4:1 mixing with curing agent. It has a pot life of 8 hours. This product will not cure at surface temperatures below 10 °C.

Technical Data

Color	Red Oxide or Light Grey
Finish	Semi-Gloss
Vehicle Type	Polyamide Epoxy
Pigment Type	Zinc-Phosphate
Volatile Organic Compounds (VOC)	400 gm/Ltrs
Solids Contents	54% +/- 2% by volume
Dry Film Thickness (DFT)	Dry: 50 µm / 2.0 mils Wet: 93 µm / 3.4 mils
Dry Time	To touch: 2-3 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	Chemical Cure Full cure after 7 days
Viscosity	75-90 KU
Theoretical Spreading Rate (TSR) at Dry Film Thickness	11.6m ² per liter (depending on the nature and condition of the substrate)
Flash Point	23 °C / 72 °F
Specific Gravity	1.45 – 1.60 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, 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

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.

Steel and ferrous metals: All direct to metal coatings provide maximum performance over near white metal blasted surfaces. There are however, situations and cost considerations that may prevent this type of surface preparation from being done. Omega Zinc Phosphate Epoxy Primer 2212 have been designed to provide corrosive protection over mild to severe substrates. The recommended standard is a commercial blast. The steel profile after the blast should be 1-2 mils and be jagged in nature. Surfaces must be free of grit dust. The coating should be applied as soon as possible after the blast in order to prevent flash rusting or surface contamination. Hand tool cleaning or power tool cleaning can be used if blasting is not possible. In highly to severe corrosive areas where additional rust inhibitive qualities are required, prime with one coat of Omega Zinc-Rich Epoxy Primer 2222 prior to applying topcoat.

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 air spray, preferably with nozzle orifice of 1.5mm and 28-42 psi nozzle pressure.

System Specification

This product is used best with Omega's Epoxy coat systems. Use Omega Epoxy Curing Agent 8212 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.

Revision date: September 2020. This datasheet supersedes the previous issue.

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Manufactured and Distributed by Unitco Group of Companies, Established in 1981, CR No. 1493
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