

PRODUCT DATASHEET

OMEGA UNIPOX Screed 4215

General Description

A high quality, three-component heavy-duty self-leveling polyamide cured solvent-base screed system designed to provide continuous protection for concrete floors. It is a robust high performance product with extreme high build, superior abrasive and impact resistant screed for areas with extreme wear and tear. Can be used as intermediate or topcoat.

Recommended Use

Designed for a wide range of floors exposed to extreme wear and tear. Recommended for steel plants, plant rooms, warehouses, factories, aircraft hangers, food and beverage plants and oil refineries.

Features

- ✓ Heavy-duty, self-leveling, high-build coat system
- ✓ Applicable by trowel with high thickness of 5mm
- ✓ Superior abrasion and wear resistance
- ✓ High mechanical strength with chemical resistance
- ✓ Smooth finish with easy to clean surface

Limitations

This is a three component product that requires 2:1:7 mixing with hardener (8125) and screed, respectively. It has a pot life of 45 minutes. This product will not cure at surface temperatures below 10 °C. Moisture content must be 4%.

Technical Data

Color	Transparent
Finish	Semi-Gloss
Vehicle Type	Polyamide Epoxy
Pigment Type	N/A
Volatile Organic Compounds (VOC)	10 gm/Ltrs
Solids Contents	89% +/- 2% by volume
Dry Film Thickness (DFT)	Dry: 5,000 µm / 5mm (indicative) Wet: 5,000 µm / 5mm
Dry Time	To touch: 4 hours To recoat: min. 4 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	8.5 KG per m ² for 5mm thickness (depending on the nature and condition of the substrate)
Flash Point	40 °C / 104 °F
Specific Gravity	1.72 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	25 KG
Shelf Life	12 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. The concrete surface should be checked for acidity or alkalinity using Ph paper; acceptable values are in the range of 7 to 8.

After the concrete floor has been prepared and allowed to dry, apply a coat of OMEGA UNIPOX 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 UNIPOX Screed 4215.

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 three component kit and is pre-proportioned for error free mixing. DO NOT vary from these instructions. Mix "A" and "B" and "C" separately before combining. Application can be by street trowel.

System Specification

This product is used best with Omega's Epoxy coat systems. Use Omega Unipox Screed Hardener 8215 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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