

PRODUCT DATASHEET

OMEGA UNIKYD SUPERIOR Undercoat 2110

General Description

A premium quality, alkyd-based primer undercoat made with a special type of synthetic alkyd binders with micro-fined pigment and selected fillers to provide hard and tough film. Formulated to inhibit corrosion, it provides years of protection when applied properly with excellent hiding power. It can be top coated with most finishes and is easy to apply.

Recommended Use

General purpose undercoating in alkyd-based coat systems for plaster, drywall, concrete, & ferrous metals such as steel and iron. Designed for structural steel, railings, and wood applications in mild-to-moderate corrosive environments.

Two coats of primer may be required in severe cases; allow the primer to dry thoroughly for best results.

Features

- ✓ Strong wetting properties for maximum penetration
- ✓ Corrosion-inhibiting formula protects against rust
- ✓ Designed for structural steel, railings, and wood applications
- ✓ Recommended for professionals for its versatility and superior coverage

Limitations

Not recommended for galvanized metals. Do not topcoat with products such as epoxies or urethanes containing aromatic or oxygenated solvents. Not for use in areas that are continually wet like showers. Moisture content must be below 17%.

Do not apply when air and surface temperatures are below 10 °C.

Technical Data

Color	White
Finish	Flat
Vehicle Type	Alkyd Enamel
Pigment Type	Titanium Dioxide
Volatile Organic Compounds (VOC)	300 gm/Ltrs
Solids Contents	53% +/- 2% by volume 72% +/- 2% by weight
Dry Film Thickness (DFT)	Dry: 55 µm (indicative) Wet: 100 µm
Dry Time	To touch: 30 minutes To recoat: 4 hours (30 °C) High humidity and cool temperatures will result in longer dry, recoat and service time
Dries by	Evaporation
Theoretical Spreading Rate (TSR) at Dry Film Thickness	10m ² per liter (depending on the nature and condition of the substrate)
Viscosity	75-90 KU
Opacity	89.0%
Flash Point	40 °C / 104 °F
Specific Gravity	1.40 – 1.50 gm/cm ³
Surface Temperature at Application	Minimum allowed is 10 °C, maximum to dry 800 °C (1,750 °F) Maximum humidity during application and curing is 95% and dew point above 3 °C
Thin With	Omega White Spirit 9000, 5-15%
Clean Up Thinner	Omega Clean Thinner 9011
Available Package Size	5 Ltrs, 5 USG
Shelf Life	12 months, sealed and kept at normal temperature (not in direct sunlight)

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Surface Preparation

Surfaces to be painted must be clean, dry, and free of dirt, grease, oil, soap, wax, scaling paint, water soluble materials, and mildew. Remove any peeling or scaling paint and sand these areas to feather edges smooth with adjacent surfaces. Glossy areas should be dulled. Drywall surfaces must be free of sanding dust.

New plaster or masonry surfaces must be allowed to cure for 30 days before applying base coat. Cured plaster should be hard, have a slight sheen; soft, porous or powdery plaster indicate improper cure. Never sand a plaster surface; knife off any protrusions and prime plaster before and after applying patching compound.

Caution: Moisture content must be below 17% and well ventilated. Product should not be applied on surfaces / substrates that are subject to continuous seepage or dampness or during rain. For new or old steel, abrasive blasting up to standard Sa 2 or power to cleaning to St 3, according to ISO 8501-1:1988.

Difficult substrates: Works well on internal substrates as a primer. For difficult substrates where a specialty primer might be needed, our family of products offers a variety of specialty primers. Consult your Omega representative for further guidance.

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

Stir thoroughly before and during use. Apply one or two coats by brush (synthetic filament), roller, or spray. Length of roller depends upon the texture of the surface. Apply a full, even coat. Do not apply directly over chalky surfaces or bleeding stains.

System Specification

New surfaces should be fully primed, and previously painted surfaces may be primed or spot primed as necessary. This product is used best for Interior alkyd-based Enamel Coat Systems for steel, rail, and wood for mild-to-moderate corrosive environments.

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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