

# PRODUCT DATASHEET

## OMEGA UNICEL Gloss Finish 4300

### General Description

A high quality, nitrocellulose-based fast drying paint. This product is a pure blend of excellent quality lacquer with selected special pigment. It is formulated to give tough film with excellent resistance to water, stains, salt residues, scratches and daily wear and tear.

### Recommended Use

For all types of wood and steel furniture. This product is an ideal finish for furniture, cabinets, paneling, trim and moldings.

### Features

- ✓ Pure blend of excellent quality lacquer
- ✓ Demonstrates both excellent flexibility and impact resistance
- ✓ Resists water, stains, salt residues, and scratches
- ✓ Fast drying, applicable by conventional air spray

### Limitations

Do not apply this product if the relative humidity exceeds 85% or the substrate temperature is within 3 °C of the dew point.

### Technical Data

Color	White. Other colors available, contact Omega's representative
Finish	Gloss
Vehicle Type	Nitrocellulose
Pigment Type	Titanium Dioxide
Volatile Organic Compounds (VOC)	580 gm/Ltrs
Solids Contents	30% +/- 2% by volume
Dry Film Thickness (DFT)	Dry: 30 µm / 1.2 mils (indicative) Wet: 100 µm / 4 mils
Dry Time	To touch: 1 hour To recoat: min. 2 hours (20 °C), max. no limitations 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	10m <sup>2</sup> per liter (depending on the nature and condition of the substrate)
Viscosity	90-115 KU
Flash Point	23 °C / 72 °F
Specific Gravity	0.90 – 1.10 gm/cm <sup>3</sup>
Surface Temperature at Application	Do not apply this product if the relative humidity exceeds 85% or the substrate temperature is within 3 °C of the dew point
Thin With	Omega Unicel Premium Thinner 9010 or Omega Unicel Thinner 9012
Volume of Thinner	70-75% diluted to viscosity cup, 20-25 seconds in B4 cup
Clean Up Thinner	Omega Clean Thinner 9011
Available Package Size	1 USG, 5 USG
Shelf Life	12 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, mill scale, form release agents, curing compounds, and flaking paint and other surface contaminants.

**New Wood:** Remove all dirt and wood dust. Sand and remove all sanding dust. Before finishing be certain the wood is dry. Seal / prime the wood in accordance with application directions specified by each primer/undercoat product.

**Old Wood:** Many old wood finishes have contaminants that may affect top coating with lacquer. Be certain to remove old finish completely and be certain the surface is free of all contamination.

**New 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. Contact Omega Paints® representative for products that provide protection over less than ideal surfaces.

**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

Apply 3-4 coats of Omega Unicel Lacquer. Sand the 1<sup>st</sup> coat with wet and dry emery paper grade 600 followed by additional 2 to 3 coats. Use grade 400 to sand Omega Unicel Primer before applying the finishing coat.

## System Specification

This product is used best with Omega Unicel coat systems. Use the appropriate sanding sealer or primer depending on substrate and corrosive condition / environment.

## 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](http://www.omegapaints.net) for more info.

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