

Made in the Kingdom of Bahrain

Omega PU Exterior Color

Finish: Flat
Type: Polyurethane-based Topcoat - Exterior



Product Description	
Type	Options (Code)
This is a two component acrylic polyurethane based pigmented topcoat designed for all type of wooden surfaces and veneers in exterior spaces. Available in gloss, semi-gloss, and/or matt sheens.	Gloss (7580) Semi-Gloss (7585) Matt (7590)
Features	Benefits
This product is of high quality and formulated with excellent resistance to gloss and color retention, UV lighting, weather and water resistance, mild chemicals and solvents resistance, impact resistance and is non-yellowing.	• Two component, polyurethane • Excellent gloss retention • Stain-free surface • Non-yellowing • Easy to use
Typical Use	
Recommended as a topcoat for exterior finishing of natural wood and wood veneers.	
Substrate	
Wood, Metal, Plastered Surfaces Substrate should have sufficient strength to receive the paint. Any defects in the substrate like surface undulations, cracks, pin holes, etc., should be rectified / filled before starting painting. The compatibility of any third-party filling material, if used, should be confirmed with Omega Paints® before application.	

Product Data

Colors

Select colors by Omega

Packaging Size

20 L (A + B)

Solids Contents

40% +/- 2% volume theoretical

Volatile Organic Compounds (VOC)

450 - 600 g/l

VOC Comments

This is the theoretical value. Tested value will vary depending on test methodology, accuracy of equipment used for testing and test conditions

Application Method

Painting Tools

Roller: Use a suitable roller. Care must be taken to achieve the specified dry film thickness.

Brush: Use a suitable brush. Care must be taken to achieve the specified dry film thickness.

Spray: Use air spray and or airless spray.

Guidelines for Airless Spray

Nozzle tip 1.4 to 1.6 mm

Pressure at Nozzle 2.5 bar

Distance from air compressor to filters is to be at least 10 m.

The product must be sprayed by professionals only.

Product Mixing

Component A 4 part(s)

Component B 1 part(s) Omega 8580 (G), 8585 (SG), or 8590 (M) Hardener

This product is a two-component product supplied with the base (Component A) and the hardener (Component B). Add the contents of Component B to Component A and mechanically mix.

Pot life: 8 hours

Cleaning of Painting Tools

Omega 9011 Cleaning Thinner

Physical Characteristics

Film Thickness per Coat

Typical recommended range

Dry film thickness 30 - 62 µm

Wet film thickness 90 - 135 µm

Film thickness will vary and is calculated at average

Theoretical Spreading Rate (TSR)

7.5 - 11m² per liter

Spreading rate depends on film thickness applied, type of texture, surface porosity, imperfections, temperature, wastage during painting etc.

Maximum spread rate per coat is obtained at minimum dry film thickness and vice versa.

Specific Gravity	Flash Point	Viscosity
1.05 - 1.35 g/cm ³	31°C / 88°F	—

Application Conditions

Stir thoroughly before and during use

To secure lasting adhesion all surfaces shall be clean, dry and free from any contamination

Surface temperature during application	Thinner	Dilution
The temperature of the substrate should be a minimum of 10°C and at least 3°C above the dew point of the air, measured in the vicinity of the substrate	Omega 9016 PU Thinner	Maximum 30%

Moisture content should not exceed 12% (Concrete), 16% (Wood)

Relative Humidity should not exceed 80%

Minimum and maximum temperature should be 23°C and 40°C respectively

Drying Times

Substrate temperature	10°C	23°C	40°C
Surface (touch) dry	4 h	2 h	1 h
Walk-on-dry	14 h	7 h	4 h
Dry to over coat, minimum	14 h	7 h	4 h
Dried/cured for service	14 d	7 d	3 d

Ventilation : Sufficient ventilation is very important to ensure proper drying/curing of the film.

Drying and curing times are determined under controlled temperatures and relative humidity below 85%, and at average of the DFT range for the product.

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Walk-on-dry: Minimum time before the coating can tolerate normal foot traffic without permanent marks, imprints, or other physical damage.

Dry to over coat, minimum: The recommended shortest time before the next coat is applied.

Dried/cured for service: Minimum time before the coating can be permanently exposed to the intended environment/medium.

Recommended Paint System

Primer

Omega 7575 PU Exterior Primer x 1 coat

Filler

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Topcoat

Omega PU Exterior Color finish x 2 coats

Remarks

Other systems may be specified, depending on area of use and surface condition. Packaged contents with different batch numbers must be mixed together before use.

Directions of Use

Surface Preparation

Surface must be sound, clean, dry and free from dust, grease, oil, latencies, etc.

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.

Wood Surface

Surfaces with grease, oil, or other contamination is to be removed by detergents and fresh water cleaning. To secure lasting adhesion to the subsequent product all surfaces shall be clean and dry.

Metal & Steel Surface

To secure lasting adhesion to the subsequent product metal and steel surfaces shall be clean, dry and free from any contamination. Optimum performance, including adhesion, corrosion protection, heat resistant and chemical resistance is achieved with recommended surface preparation.

Applicators

The product is suitable for both professional and consumer application. The product must be sprayed by professionals only. The applicators shall be trained, experienced and have the capability and equipment to mix and apply the coatings correctly and according to Omega's technical documentation. Applicators shall use appropriate personal protection equipment when using this product. This guidelines is given based on the current knowledge of the product.

Difficult Substrates

Omega Paints® offers a number of specialty primers for use over difficult substrates. Your Omega Paints® representative can recommend the right problem-solving primer for your special needs.

Storage and Handling

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf Life : 24 month(s)

Sealed and kept at normal temperature (not in direct sunlight)

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. Please observe the environmental and precautionary notices displayed on the container.

Material Safety Data Sheet

A material safety data sheet for the product has been issued.

Detailed information regarding health and safety risks and precautions for the use of this product is specified in the product's Safety Data Sheet.

First-aid measures, refer to section 4

Handling and storage, refer to section 7

Transport information, refer to section 14

Regulatory information, refer to section 15

Disclaimer

The information in this document is given to the best of Omega's knowledge, based on laboratory testing, practical experience, and good faith.

Omega's products are manufactured to rigid standards, is considered as semi-finished goods and as such, products are often used under conditions beyond Omega's control. Omega cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements.

The company pursues a policy of continuous improvement in products, and as such, Omega reserves the right to change the given data without further notice. Users should always consult Omega for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English version will prevail. Contact Omega's representative or visit www.omega-paints.com for more info.

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