



Product Data Sheet

Omethane - Polyurethane Coating

Product Description:

Omega Omethane Polyurethane 343 is a heavy duty, two-pack air drying Polyurethane finish for suitably primed steel, concrete and timber structures. The product provides excellent durability with superior gloss and colour retention. Ideal topcoat for all structures in marine and chemical environments. Can be applied directly on bare concrete surface after proper surface preparation without any sealer. Available in most AS 2700 Industrial Australian Standard colours. Ideal for floors in areas subject to heavy wear, exposure to chemicals, solvents and other industrial fluids.

Areas Of Use:

Suitable for concrete, structural steel, timber, galvanized iron, aluminum, and Zincalume.

Typical Properties:

Colour:	AS2700 Colours
Finish:	Gloss
Components:	Two
Mix Ratio (by volume)	4 Base : 1 Hardener
Viscosity:	55-65 Sec
VOC Level:	490 g/l
Volume Solids:	45-49%
Wet film per coat (µm)	80 µm
Dry film per coat (µm)	40 µm
Thinning:	Omega Polyurethane Thinner
Pot Life:	6 Hours at 25 °C
Pack Size:	4L, 20L Kits

Coverage:

Theoretical Coverage: 12.5 m²/L at 40 µm. DFT depends on surface profile.

Preparation:

Concrete: Ensure that the surface is dry and free from dirt, moisture, contaminants like grease, oil, wax, moss, mold, dust or loose material. New concrete surfaces should be allowed to cure 4-6 weeks. All cracks and damaged areas should be repaired. Smooth trowelled concrete must be acid etched to ensure proper adhesion. Wash the surface thoroughly after acid etching to remove all traces of acid. Allow complete drying for 3-4 days. Previously painted surfaces shall be subjected to thorough removal of loose & flaking paint. Oil, grease & other contaminants shall be removed by cleaning with mild detergent solutions and rinsed well with clean water. For extra adhesion you may apply a coat of Epoxy Primer. Test the adhesion & compatibility of this product over a small test area. **Steel:** Blast clean the surface or sand thoroughly with emery paper to remove all rust. Ensure that the surface is free from oil, wax and grease by wiping with Omega GP thinner. Prime the surface immediately with Omega Etch Primer followed by one coat of Epoxy Primer. **Galvanized iron, Aluminium, Zincalume:** Ensure the surface is free from oil, wax, grease and other contaminants by cleaning with GP thinner. If new, sand lightly the surface lightly to provide mechanical key to the primer. Wipe the surface clean for application of primer. The oxide layer on old non-ferrous metals should be removed by cleaning with stiff nylon brushes and plenty of fresh water. Apply one coat of Omega Etch Primer followed by one coat of Epoxy Primer.

Application:

Stir the contents of Part A (Base) before mixing with Part B (Hardener) in the recommended ratio. Mix Part A and B together and allow 15 minutes maturation. Add Omega Polyurethane Thinner in desired proportion (up to 10%) to suit the application. Apply two coats of finish uniformly. Can be applied by spray, brush or roller. Please use the method best suited to your requirements.

Do not apply in high humidity or when temperature is below 10 °C or above 30 °C.

Dry Times: At 25 °C

Touch Dry:	1-2 Hours
Recoat:	16 Hours
Full Cure	7 Days

Cleaning Of Equipment:

After each use, promptly clean all equipment with Omega Polyurethane Thinner. Ensure that tools and equipment are thoroughly washed before the product has a chance to cure.

Storage:

Store in a cool dry shaded area. Shelf Life at 25 °C: 12 months minimum when stored as prescribed in the MSDS

Mix and Colour Check:

Mix the paint thoroughly before application using a wide flat paddle (25mm) or a hand mixer with a perforated base. Mix in a circular lifting motion from the bottom of the container for 5 minutes or until the paint and colour are fully blended. Stir the paint every 2 hours to maintain consistency. Check the colour against the colour chart or standard before applying. For multiple containers, mix them together to ensure colour uniformity. During painting, replace and secure the container lid to prevent the paint from drying out.

Environmental

Do not wash painting equipment and allow waste to enter drains and waterways. Do not dispose of unwanted paint and thinners that will enter drains and waterways. Refer to state / local EPA and council websites for environmental and safe disposal details.

Safety and Precautions:

Read the Safety Data Sheet (SDS) for this product before use. The SDS contains important information on hazards, precautions, personal protective equipment, first aid, and safe handling instructions. To obtain a copy of the SDS, visit our website at www.omegaint.com.au or call our customer service line at (02) 9832 0000. Keep out of reach of children. Keep windows and doors open during use and while drying to ensure adequate ventilation. If swallowed, immediately call the Poisons Information Centre at - Australia: 13 11 26, New Zealand: 0800 764 766 or contact a doctor. Avoid contact with skin and eyes.

Disclaimer

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance, nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development

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