

2 Pack Polyurethane (OmeThane)

Production Description

2 Pack Polyurethane is 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 top coat for all structures in marine and chemical environment. Available in a wide range of colours.

Areas of Application

The product is recommended for structural steel, concrete, timber, galvanized iron, aluminium, and Zincalume.

Technical Data

Colour	Various, depending on the Industrial Colour Chart
Solvent Resistance	Very good
Toxicity	Dry film is non toxic
Thinning & Clean Up	Omega General purpose thinner
Theoretical Coverage*	12.5 sq.m. / litre for 40 microns.
Drying Time (at 25 C & RH 60%)**	Touch dry: 1-2 hours / Recoat: minimum 16 hours**
Gloss Level	Higher than 90 at 60 degree head
Mixing Ratio	4:1 (By Volume)
Pot Life (at 25°C & RH 60%)***	6 hours
Packs available	4 litre & 20 litre

*Practical coverage depends on surface profile, method of application and dry film thickness. Higher film thickness leads to lower coverage.

** Cooler temperature, higher film thickness, or higher humidity conditions will lead to longer drying times.

***Must use within the specified time otherwise the paint will start curing in can and will not be suitable for application anymore.

Method of Application

Can be applied by spray, brush or roller. Please use the method best suited to your requirement and skill.

Surface Preparation

Steel: Blast clean the surface or sand thoroughly with emery paper to remove all rust. Apply one coat of Metacare Epoxy Steel Primer 116 followed by one coat of Epoxy Sealer Undercoat 199.

Galvanized iron, Aluminium, Zincalume: If new, sand the surface lightly to provide mechanical key to the primer. In case oxide layer has formed, then clean with fresh water and stiff nylon brush. Apply one coat of Reaction Primer 113 followed by one coat of Epoxy Sealer Undercoat 199.

Concrete: Smooth, bare concrete must be acid etched with dilute hydrochloric acid. Flush the surface with plenty of fresh water to remove all traces of acid. Allow complete drying and apply one coat of Epoxy HB Undercoat 219. In case of previously painted surfaces, remove oil, grease and other contaminants by solvent cleaning. Ensure to remove all loose paint by scraping and thorough sanding. Touch up bare metal areas with appropriate primer.

Application

Stir the contents of Base before mixing with the hardener in recommended ratio. Mix the two together and allow 15 minutes maturation. Add recommended thinner in desired proportion to suit the application. Apply uniformly two coats of finish. Do not apply when surface temperature is below 10 °C.

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Flammability & Transport

- Highly Flammable.
- Keep away from heat and flame, eliminate any source of ignition.
- Ensure container is upright with lid secure.
- Ensure the container is secured in the vehicle for transport.

Environmental

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

Safety & Precautions

- Do not apply when surface temperature is below 10⁰ C or over 35⁰ C
- Do not apply in environments of high humidity/moisture, or if pending rain is a possibility.
- Once two components are mixed, must use within its pot life as specified in earlier section
- Apply in calm fine weather conditions and only during daylight hours.
- Cease painting 2 – 4 hours before sunset or if weather changes are forecast.
- Do not apply early morning if dew or frost is present.
- Use only the recommended thinner for dilution and cleaning.
- Check paint colour to the colour chart/standard prior to application
- Provide adequate ventilation during use.
- Keep out of reach of children.
- Check cross cut adhesion test of old coating before repainting.

Apply a test sample for compatibility of this product over a small test area.

*Cooler temperature, higher film thickness and higher humidity conditions will require longer drying times

**Practical coverage may depend on surface profile, method of application and losses. Higher film thickness will lead to lower coverage.

The technical information and suggestions for use and application are given in good faith. Since conditions of use are beyond the manufacturer's control, information contained herein is without warranty, implied or otherwise. The manufacturer does not assume any liability for any loss or injury resulting from the use of the product. Cooler temperature, higher film thickness and higher humidity conditions will require longer drying times

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