

Metacare Quick Dry Enamel

Production Description

Single pack quick drying gloss enamel based on modified alkyd. With QD Zinc Phosphate primer this enamel provides excellent weathering properties. An ideal product for use on original equipment, engineering equipment, industrial structures and shipping and other containers. Also recommended as maintenance coating.

Areas of Application

For protection and maintenance of structural steel and equipment in industrial and marine environment. Suitable for interior and exterior use.

Yellowing of Enamel

All white and pale coloured enamels will yellow with age. Enamels will yellow more rapidly under the following conditions: in areas of low natural light, when applied in poorly ventilated conditions, or in the presence of ammonia (which are common in water based paints and some household chemicals). Only the use of water based acrylic paints can assure resistance to yellowing.

Technical Data

Colour Range	White and full range of Australian Standard AS2700 Colours
Gloss Level at 60° head	Minimum 85%
Solvent Resistance	Resistance to aliphatic hydrocarbons is good. Polar solvents & chlorinated solvents are liable to attack the film.
Toxicity	Dry film is not toxic
Thinning & Clean Up	Enamel Thinner 600. Though product is designed for undiluted application, up to 10% thinner can be used if necessary.
Thinning Rate	Up to 5% thinner may be necessary depending on method of application and climatic conditions.
Theoretical Coverage**	16 sq. m. / litre per coat. Practical coverage may depend on surface profile, method of application and losses.
Drying Time (at 25C & RH 60%)*	Touch Dry 10 minutes / Recoat 8 hours*
Packs available	1 litre, 4 litre, 10 litre, 20 litre

*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.

Method of Application

Brush, Roller or Spray. Please use the method best suited to your requirement and skill. Use of a synthetic or mohair sleeve of 5 mm nap is suggested on flat surfaces. For airless spray application, optimum pressure of 2200 psi and nozzle size of 0.011-0.013 inches is suggested as a guideline.

Surface Preparation

Remove all surface rust, loose and flaking / peeling paint and sand back coating edges. Ensure surface is clean, dry and free from dust, grease, oil and all other surface contamination. Sand previously painted surfaces thoroughly to provide a key for adhesion. Check cross cut adhesion test of old coating before recoating. Apply Omega Rustblock Rust Converter to rusted surfaces. Spot prime bare surfaces with Rustblock Primer. Prepare and coat section by section to achieve best results. Surface is to be coated immediately after preparation. On old galvanised iron and aluminium surfaces apply one coat of Omega Rustblock Etch primer. On new Galvanised Iron Galvanised Iron Primer can be used.

Note: Cooler temperature, higher film thickness, or higher humidity conditions will lead to longer drying times. Do not apply when surface temperature is below 100 C or above 350 C. Avoid painting in high

humidity and moisture as this will affect the finished gloss level.

Anti-Rust Gloss Enamel

Mix and Colour Check

Mix the paint before application with a wide flat (25mm) paddle or a hand paint mixer with a perforated base, in a circular lifting motion from the bottom of the container for 5 minutes or until the paint and colour are thoroughly mixed. Remix the paint every 2 hours to ensure product consistency. Check colour to the colour chart/standard prior to application. Inner mix multiple containers together to ensure colour consistency. Replace and secure container lid during painting to prevent the paint drying within the container.

Coating Maintenance

Washing the painted surface periodically will maintain the look of a newly painted surface longer. Clean the surface with a diluted sugar soap or a mild detergent and rinse well with clean water. Do not use scouring pads, abrasive brushes, high pressure washing or solvent to clean the painted surface. These will damage the paint film and cause premature failure of the coating.

Flammability & Transport

- Highly flammable, Dangerous Goods Class 3.2, Flash Point 32⁰ C, UN 1263, PG III
- Keep away from heat and flame, eliminate any source of ignition.
- Soak all used cloths and rags immediately in water to prevent self-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.
- Apply in calm fine weather conditions and only during daylight hours.
- Cease painting 2 hours before sunset or if weather changes are forecast.
- 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
- Avoid exposure of the new paint film to steam for 48 hours and to washing or scrubbing for 7 days.
- Check cross cut adhesion test of old coating before repainting.
- Apply a test sample for compatibility of this product over a small test area.

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

Omega Paints 111 Kurrajong Avenue Mt Druitt NSW 2770 Phone (02) 9632 0000 / www.omegapaints.com.au

Reviewed July 2014

