

Quick Dry Electrostatic Enamel

Production Description

Single pack quick drying Electrostatic enamel based on Styrenated and Acrylated modified alkyd. Especially formulated to be applied directly to most Iron and steel surfaces. Provides durability and gives professional end results to railings, fences, swings ornamental articles.

Areas of Application

For new work or standard maintenance, furniture, doors, windows, trims, fences, stairs, railings tools, machineries, ornamental iron, piping, pool metal contours, lamp posts, etc. Suitable for new or rusted ferrous metals, steel, cast iron, steel sheet. Not suitable to be used during high winds, bare surfaces of Zinc or Aluminium, on galvanized surfaces (these metals need to be primed first) or on fibreglass.

Principal Characteristics

- Very fast drying
- Requires no on site adjustments to produce effective electrostatic wrap during application.
- Excellent adhesion to ferrous surfaces
- Good durability

Technical Data

Colour	White, Black, Grey, Green, Blue and Australian Standard colours.
Viscosity	Ready to use for spray
Toxicity	Dry film is non toxic
Density	0.96 ± 0.05 Kg/L
Solids By Volume	46-48%
Gloss Level	Minimum 80 % at 60 degrees
Thinning & Clean Up	Electrostatic Thinner. Up to 5 % thinner can be used depending on weather conditions.
Theoretical Coverage*	8-10 sq.metre per litre at 40 microns*.
Drying Time (at 25 C & RH 60%)**	Touch dry: 30 mins ** / Recoat: 8 hours**
Flammable	Keep away from heat and flame, eliminate any source of ignition
Packs available	4 litre, 20 litre (other sizes on request)

*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.

Method of Application

Electrostatic spray gun only, convention air type and airless.

Airless Spray

- | | |
|-----------------------|------------------------------|
| • Recommended thinner | Electrostatic Thinner |
| • Volume of thinner | up to 5% |
| • Nozzle orifice | approx. 0.46 mm (0.018 inch) |
| • Nozzle pressure | 15 MPa (2100 psi) |

Air Spray

- | | |
|-----------------------|-------------------------|
| • Recommended thinner | Electrostatic Thinner |
| • Volume of thinner | up to 10% |
| • Nozzle orifice | 1.8 - 2 mm |
| • Nozzle pressure | 0.3 - 0.4 (50 - 60 psi) |

Quick Dry Electrostatic Enamel

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 Apply Omega Zinc Phosphate primer after appropriate surface preparation and allow to dry. Prepare and coat section by section to achieve best results. Surface is to be coated immediately after preparation. If required suitable undercoat may be used over primer. On galvanized surfaces, apply a coat of Omega Super Etch primer after proper surface preparation before applying Quick Dry Electrostatic Enamel.

Application

Stir contents thoroughly using a flat stirrer before and during use. Wear goggles and all necessary PPE items. When spraying hold the paint gun 15 cm away from the surface during application. Apply uniform thin coats while continually moving from side to side in smooth gentle sweeping motion, with the spray gun parallel to the surface. Spray the entire surface until covered with paint. To avoid sagging, apply 2 fine coats instead of one thick coat. Wait at least four hours before applying the second coat. Provide adequate ventilation during spraying. Remove masking tape after each coat to avoid lifting up paint. For best results, prepare, prime and finish section by section to avoid prolonged exposure to the elements. 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 over 35⁰ C.

Avoid painting in high humidity and moisture as this will affect the finished gloss level.

Mix and Colour Check

Mix the product thoroughly 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 product and colour are thoroughly mixed. Remix the product every 2 hours to ensure product consistency. Replace and secure container lid during painting to prevent the product 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.

Quick Dry Electrostatic Enamel

Safety & Precautions

- Do not apply when surface temperature is below 10° C or over 35° 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.

*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

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

Reviewed July 2014