

Quick Dry Electrostatic Enamel

Product Description

- Omega Quick Dry Electrostatic Enamel is a single pack quick drying alkyd based enamel, formulated for use in electrostatic spraying applications directly from container. It is suitable for most metal or steel surfaces such as machinery, tools, pipes, etc.

Principal Characteristics

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

Colours and Gloss

- Offered as standard colors on Omega Color Chart or customized colors. High gloss (minimum 80 unit @ 60° head)

Basic Technical Data at 25°C and RH 60%

- Solids content : approx. 40% by weight
- Specific Gravity : 0.93-0.97 kg/L (depends on color)
- Typical film thickness (per coat) : 40 microns (dry), 100 microns (wet)
- Theoretical spreading rate : 10 m²/L for 40 microns (dry)
- Touch dry after : approx. 10-15 minutes
- Recoat : min. 8hrs
- Thinning & Clean up : Electrostatic Thinner
- Shelf Life : at least 12 months

Recommended Substrate Conditions and Temperature

- Apply Omega Zinc Phosphate primer after appropriate surface preparation.
- For maintenance purpose touch up bare metal areas with suitable primer before application of Quick Dry Electrostatic Enamel.
- 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.
- Tools should be cleaned with suitable thinner. Electrostatic Thinner is recommended. Mineral Turps can also be used.
- Temperature must not below 10°C when applying.
- Relative humidity should not exceed 80%.

Instruction for Use

- Use a masking tape suitable for small or irregular shaped surfaces.
- Avoid over spraying/brushing as the paint dries fast.
- To avoid sagging, apply 2 fine coats instead of one thick coat.
- Must provide adequate ventilation during use.

Application

Airless spray or conventional Air spray

Airless Spray

- | | |
|--|------------------------------|
| <input type="checkbox"/> Recommended thinner | Electrostatic Thinner |
| <input type="checkbox"/> Volume of thinner | up to 5% |
| <input type="checkbox"/> Nozzle orifice | approx. 0.46 mm (0.018 inch) |
| <input type="checkbox"/> Nozzle pressure | 15 MPa (2100 psi) |

Air Spray

- | | |
|--|-------------------------|
| <input type="checkbox"/> Recommended thinner | Electrostatic Thinner |
| <input type="checkbox"/> Volume of thinner | up to 10% |
| <input type="checkbox"/> Nozzle orifice | 1.8 - 2 mm |
| <input type="checkbox"/> Nozzle pressure | 0.3 - 0.4 (50 - 60 psi) |
| <input type="checkbox"/> Cleaning solvent | Electrostatic Thinner |

Flammability & Transport

- Highly flammable, Dangerous Goods Class 3.2, Flash Point 30°C, UN 1263, PG III

Safety & Precautions

- Flammable. Keep away from any source of ignition. Avoid contact with heat and naked flame.
- Provide adequate ventilation during use.
- Use gloves, mask and goggles during application
- Avoid skin/eyes contact
- This product is intended for use in industrial situations by professional applicators in accordance with the advice given on this sheet. All work involving the use and application of this product should be carried out in compliance with all relevant health, Safety & Environmental standards and regulations and must not be used without reference to the Safety Data Sheet (SDS)