

EcoLogic Water-Based Speed Enamel

General Properties

A water-based, quick drying enamel designed for spray or dip application to a variety of substrates. EcoLogic Speed Enamel can be used in a direct-to-metal application or to primed or previously painted substrates. This product has excellent adhesion, gloss, corrosion resistance and colour retention properties combined with very low VOC's, low odour and non-flammability. All colours are lead and heavy metal free and meet all current and proposed emission standards for Industrial Maintenance coatings.

Recommended Uses

Designed for use on properly prepared ferrous or non-ferrous metals, most plastics and wood where fast dry and recoat times are important. This product is highly suitable for shop application use and provides excellent protection for machinery, process equipment, structural steel and piping. EcoLogic Speed Enamel also provides good resistance to petroleum products and mild chemicals.

Product Information

GENERIC TYPE	Water-borne Alkyd
PIGMENT TYPE	Lead-free Lightfast Pigments
COLOR	Custom Colors
BASES	70300 White, 70301 Deep, 70304 Clear
FINISH	High Gloss (> 90 @ 60°) or Custom Gloss levels
AVERAGE VOLUME SOLIDS	37.6% (70300)
AVERAGE WEIGHT SOLIDS	48.7% (70300)

RECOMMENDED FILM THICKNESS	Wet: 6 - 7.5 mils Dry: 2 - 2.5 mils See your Cloverdale Representative for project recommendation.
THEORETICAL COVERAGE	603 ft ² /gal @1 mil (25 microns) DFT 14.8 m ² /L @ 1 mil (25 microns) DFT Actual coverage may vary depending on substrate and application methods.
VISCOSITY	65 - 70 K.U.
TEMPERATURE RESISTANCE (DRY)	90°C (194°F) Continuous 100°C (212°F) Intermittent
V.O.C. AS APPLIED	Less than 50 g/L (0.42lbs/gal)
THINNER	Water

Methods of Application

AIRLESS SPRAY	Speeflow Atlas 30:1 with tip sizes .013" - .015" or equivalent
H.V.L.P	Binks Model Mach 1 94 x 97AP (pressure) or equivalent
CONVENTIONAL	Binks Model 95GUN 63CSS X 63PB (pressure) or equivalent
BRUSH / ROLLER	Brushing is limited to small areas or touch-up

Drying Time - Temperature, Relative Humidity, and Film Thickness will affect dry and re-coat times.

Substrate Temperature	Touch Dry	Hard Dry	Minimum	Overcoat Interval	
				Maximum	Normal
25°C (77°F)	1 hour	3 Hours	N/A	N/A	N/a

Recommended Primer

Steel: . EcoLogic Rustex Primer 703 Series, 70275 Q.D. Shop Primer or Self Priming

Wood: Self-Priming

Surface Preparation

Surfaces must be clean, dry and free of oil, grease, waxes or other surface contamination. Water-based coatings are particularly affected by grease and oil contamination and require higher degree of surface preparation in this regard. A minimum SSPC-SP3 or SP2 Hand or Power tool cleaning is recommended. For improved corrosion protection a more thorough surface preparation and the use of an anti-corrosive primer is recommended. If converting from solvent-based to EcoLogic Speed Enamel all spray equipment must be thoroughly flushed with water prior to use. Dry times will vary with temperature and relative humidity. Keep product from freezing.

Limitations

For mild to moderate atmospheric exposure. Not recommended for severe chemical exposure or immersion. Observe recommended film builds. Do not apply when ambient or substrate temperature is below 10°C (50°F)

Mixing Instructions

Mix well before using. Keep containers tightly sealed when not in use.

Safety Precautions

This product is for industrial use only. **Refer to Material Safety Data Sheet for proper health and safety information.**

Storage and Handling

FLASH POINT	N/A
PRODUCT WEIGHT	9.5 lbs/gal (container extra)
STORAGE	Keep from freezing.
PACKAGE SIZE	5-gallon pail

Some package sizes or colors may be by special order only. Please check with your Cloverdale Representative when ordering.

Warranty Disclaimer

Cloverdale Paint manufactures quality products. In the event that this product is defective or in any way unsuitable for the application for which it is sold, Cloverdale Paint Inc. will replace the product free of charge. The warranty provided by this data sheet is the only warranty or guarantee of quality made in respect of this product by Cloverdale Paint Inc. By purchasing this product the customer accepts this warranty in lieu of all others, and waives all claims to any other remedy arising from any warranty or guarantee of quality, whether such warranty or guarantee of quality was made expressly to the customer or implied by any applicable law.

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