



**ESGARD**

## **ESGARD 500 INDUSTRIAL ENAMEL**

<b>DESCRIPTION</b>	Esgard 500 is a high quality general purpose industrial enamel paint. Esgard 500 exhibits excellent color retention with an outstanding gloss. It is available in standard colors with custom coloring available. In addition, it is available as a primer.
<b>FIELD OF APPLICATION</b>	Industrial: pipelines, structures, storage tanks, equipment, buildings, machinery Marine: ships, barges, other marine vessels.

### **TECHNICAL DATA**

TYPE	Modified medium oil alkyd in a quick release solvent		
VOLUME SOLIDS	40% Varies slightly with color		
V.O.C.	As Supplied: 4.57 lb/gal (540 g/l)	Varies slightly with color	
	Thinned 10%: 4.82 lb/gal (579 g/l)	Varies slightly with color	
DENSITY	8.5 lb/gal mixed (1.02 kg/l) Varies slightly with color		

COVERAGE (Theoretical)	593 sq ft/gal at 1 mil dry (2.7 mils wet) 15.9 sq m/l at 25 microns dry (68 microns wet)
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NOTE: When figuring practical coverage, allow for application losses, surface irregularities, any solvent addition, etc

RECOMMENDED DRY FILM THICKNESS	Minimum 2.0 - 3.0 mils (50 - 75 microns)
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DRY TIME @ 3, MILS DFT, 77 °F (25°C) 65% R.H.	<u>Primer</u>		<u>Finish Coat</u>	
	To touch	1/2 hour	To touch	1/2 hour
	To handle	1 - 2 hours	To handle	2-3 hours
	Topcoat	4 - 6 hours		

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<b>SURFACE PREPARATION</b>	Thoroughly clean any oil or grease contaminated areas with Esgard Surface Conditioner or a detergent wash followed by a fresh water rinse and allow drying in accordance with SSPC-SP1-82.
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New Steel - Hand clean to SSPC-SP2-82 wire brush surface to remove all dirt, rust, and other surface contaminants or abrasive blast to SSPC-SP6-82 commercial surface or better with 1.5 - 2.0 mils (37 - 50 microns) anchor profile.

Previously Painted and Failing Steel - Remove all loose paint, dirt, rust, and other surface contaminants via the most economical method:

Abrasive Blast: SSPC-SP6-82 commercial blast surface or better with 1.5 - 2.0 mils (37 - 50 microns) anchor profile.

Manual: SSPC-SP2-82 wire brush surface or better.

Prime - Prime first with recommended Esgard primer if necessary.

**APPLICATION**

Thin - Thin only as needed up to 10% (typically 5%) by volume to obtain a proper consistency. For all spraying, brushing, and rolling use the following:

Above 80°F (27°C)	Esgard Thinner 106
Below 80°F (27°C)	Esgard Thinner 101

Spray - Use suitable conventional or airless equipment. Flush equipment with Thinner 101 or 106 before use. The following has been found adequate:

Conventional: Pressure pot should have an oil/water trap, double regulators, and minimum 3/8" I.D. fluid and air hose. Gun should be a DeVilbiss with an "E" tip and #78 air cap, or Binks with #66 set up

Airless: Use Graco Bulldog 30:1 or equal with Teflon packing and minimum 3/8" I.D. fluid hose. Gun should have the tip size .013 - .017". Fluid tip pressure should be 2100-2500 psi.

Brush - Apply Esgard 500 with clean quality paint brush.

Roll - apply Esgard 500 with a quality short nap roller with a woven pile and phenolic core. A solvent resistant foam roller provides an excellent finish.

**NOTE:**

Two coats may be necessary to obtain proper film thickness as brushing and rolling tends to push material thinner than required.

**CLEAN UP**

Esgard Thinner 101 or 106. For personal cleanup, use soap and water.

**APPLICATION / SERVICE LIMITATIONS**

Temperature and Humidity:

	<u>MIN</u>	<u>MAX</u>
Application (Ambient)	45°F ( 7°C)	110°F (43°C)
Application (Material)	50°F (10°C)	100°F (38°C)
Surface Humidity	45°F ( 7°C)	125°F (52°C)
Service Humidity	0%	90%

Non-Immersion Dry

Continuous	-	150°F (66°C)
Intermittent	-	200°F (93°C)

	<u>MIN</u>	<u>MAX</u>
<u>Immersion</u>	(Not recommended)	
Storage	45°F (7°C)	100°F (38°C)

**DO NOT APPLY** when the surface temperature is less than 5°F (3°C) above the dew point.

**ORDERING  
INFORMATION**

CONTACT # 1-800-888-2511

SHIPPING WEIGHT		<u>1 GAL</u>	<u>5 GAL</u>
	Esgard 500	9.5 lb (4.3 kg)	45.5 lb (20.7 kg)
	Thinner 101	8.5 lb (3.9 kg)	42.0 lb (19.1 kg)
	Thinner 106	8.5 lb (3.9 kg)	42.0 lb (19.1 kg)

FLASH POINT		
	Esgard 500	85°F (29°C)
	Thinner 101	80°F (27°C)
	Thinner 106	105°F (41°C)

COLORS Standard colors. Custom colors on request.

SHELF LIFE Twelve (12) months from date of shipment.

**CAUTION** **FOR INDUSTRIAL USE ONLY! FLAMMABLE!** Contains petroleum distillates. **DO NOT USE NEAR HEAT, SPARKS, OR FLAMES.** Close container after use.**SAFETY** Refer to Material Safety Data Sheet supplied with each order.**FIRST AID** Refer to Material Safety Data Sheet supplied with each order

