



## ESGARD 905 UNIVERSAL COATING

<b>DESCRIPTION</b>	Esgard 905 is a single package, all purpose self priming coating for any sound metal or painted surface.
<b>FIELD OF APPLICATION</b>	Bare metal, galvanized steel, inorganic zinc-primed surfaces, existing paint systems

### TECHNICAL DATA

TYPE	Phenolic Modified Alkyd
VOLUME SOLIDS	38%
V.O.C.	As Supplied: 4.50 lb/gal (540 g/l) Thinned 10%: 4.75 lb/gal (571 g/l)
DENSITY	9.76 lb/gal (1.17 kg/l)
COVERAGE (theoretical)	613 sq ft /gal at 1 mil dry (2.5 mils wet) 16.52 sq m /l at 24 microns dry (63 microns wet)

NOTE: When figuring practical coverage, allow for application losses, surface irregularities, any solvent addition, etc.

RECOMMENDED DRY FILM THICKNESS	2.0 - 3.0 mils (50 - 75 microns)
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DRY TIME @ 3 MILS DFT, 77°F (27°C) 65% R.H.	To touch: 1/2 Hour To handle: 1-2 Hours Topcoat: 4 Hours
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**SURFACE PREPARATION** 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.

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:

*Manufacturers of Quality Paints, Protective Coatings, and Lubricants*  
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[www.esgard.com](http://www.esgard.com)



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

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

**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 2100-2400 p.s.i.

Brush - Recommended for touch up only. Apply Esgard 905 with a clean quality paint brush.

Roll - Recommended for touch up only. Apply Esgard 905 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	45°F ( 7°C)	125°F (52°C)
Humidity	0%	90%
Service		
<u>Non-Immersion Dry</u>		
Continuous	-	150°F (66°C)
Intermittent	-	200°F (93°C)
<u>Immersion</u>		
Storage	(Not recommended) 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.



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## ORDERING INFORMATION

CONTACT # 1-800-888-2511

SHIPPING WEIGHT	<u>1 GAL</u>	<u>5 GAL</u>
Esgard 905	11.4 lb (5.2 kg)	54.5 lb (24.8 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 905	75°F (24°C)
	Thinner 101	80°F (27°C)
	Thinner 106	105°F (41°C)

COLORS Wide variety. 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.