



ESGARD

ESGARD 900 UNIVERSAL PRIMER

DESCRIPTION	Esgard 900 is a single package, rust – inhibitive all purpose primer for any sound metal or painted surface. Esgard 900 is especially effective for preparing bare metal, galvanized surfaces, inorganic zinc-primed surfaces, and existing paint systems for over coating with a variety of recommended paint systems.
FIELD OF APPLICATION	Bare metal, galvanized steel, inorganic zinc-primed surfaces, existing paint systems.

TECHNICAL DATA

TYPE	Rust inhibitive phenolic modified alkyd		
VOLUME SOLIDS	40%		
V.O.C.	As Supplied:	4.50 lb/gal	(540 g/l)
	Thinned 10%:	4.75 lb/gal	(571 g/l)

DENSITY 10.4 lb/gal mixed (1.25 kg/l)

COVERAGE (Theoretical) 642 sq ft/gal at 1 mil dry (2.5 mils wet)
17.3 sq m/l at 25 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)

DRY TIME @ 4 MILS DFT, 77° (27°C) 65% R.H. To touch: 1/2 Hour
To handle 1-2 Hours
Topcoat 4 Hours

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 to dry 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.

Manufacturers of Quality Protective Coatings
Esgard, Inc. 515 Debonnaire Road Scott, Louisiana 70583 U.S.A.
(337)234-6327 Fax (337) 234-0113 1-800-888-2511

www.esgard.com



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

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 psi.

Brush - Recommended for touch up only. Apply Esgard 900 with a clean quality paint brush.

Roll - Recommended for touch up only. Apply Esgard 900 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>	(Not recommended)	
Storage	45°F (7°C)	100°F (38°C)

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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 900	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 900	75°F (24°C)
Thinner 101	80°F (27°C)
Thinner 106	105°F (41°C)

COLORS Red Custom colors on request.

SHELF LIFE Thirty – six (36) 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

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