



VOLUME SOLIDS	80%		
V.O.C.	As Supplied:	1.48 lb/gal (178 g/l)	
	Thinned 10%:	2.21 lb/gal (266 g/l)	
DENSITY	13.0 lbs/gal (1.57 kg/l)		
COVERAGE (Theoretical)	1283 sq ft/gal at 1 mil dry (1.25 mils wet)		
	32 sq m/l at 25 microns dry (31 microns wet)		
	257 sq ft/ gal at 5 mils dry (6.3 mils wet)		
	6.4 sq m/l at 125 microns dry (155 microns wet)		
RECOMMENDED DRY FILM THICKNESS PER COAT	Minimum:	4.0 mils	(100 microns)
	Typical:	5.0 - 7.0 mils	(125 -175 microns)
	Maximum:	10.0 mils	(250 microns)

DRY TIME (HOURS) @ 5 MILS DFT 65% R.H	Set To	To	Recoat	Topcoat	Immersion Service
	<u>Touch</u>	<u>Handle</u>			<u>(Final Cure)</u>
20°F (-7°C)	8	16	10	12	7 Days
40°F (4°C)	4	8	5	6	2 Days
60°F (16°C)	3	7	4	5	3 Hours
80°F (27°C)	2	5	2	3	2 Hours
100°F (38°C)	1	3	1	2	1 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 drying in accordance with SSPC-SP1-82.

NON-IMMERSION SERVICE

New Steel - Abrasive blast to SSPC-SP10-82 commercial blast surface or better with an anchor profile of 2.0 - 3.0 mils (50-75 microns).

Existing Paint Systems and/or Failing Steel

Manual: SSPC-SP2-82 wire brush surface or SSPC-SP3-82 power tool surface or better.

Abrasive blast: SSPC-SP6-82 commercial blast surface or better with an anchor profile of 2.0 - 3.0 mils (50 -75 microns).

IMMERSION SERVICE

New Steel - Abrasive blast to SSPC-SP10-82 (near white metal) surface or better with an anchor profile of 2.0 - 3.0 mils (50 - 75 microns) or UHP to SSPC-SP12 WJ-3/L or better.

Manufacturers of Quality Paints and 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.esgardcoatings.com



Existing Paint System and/or Failing Steel - Abrasive blast to SSPC-SP10-82 (near white metal) surface or better with an anchor profile of 2.0 - 3.0 mils (50 -75 microns) or UHP to SSPC-SP12 WJ-3/L or better.

NOTE: PermaGard 207 may be applied over most generic coatings when properly. However, a test patch is always recommended to test compatibility.

APPLICATION

Mix – Power mix components separately, then mix 1:1 by volume A:B. Mix completely all of Part A with Part B. Do not use partial kits.

Thin - Thin only as needed up to 10% (typically 5%) to obtain 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 103

NOTE: The use of non-specified thinners may affect application characteristics and product performance.

Spray - Use suitable conventional or airless equipment. 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 a D tip and #64 air cap, or Binks with #68 set up.

Airless - Use Graco Bulldog 30:1 or equal with Teflon packing with minimum 3/8" I.D. fluid hose. Gun should have fluid tip size .019 -.025. Fluid tip pressure should be 1300 - 2600 psi.

Brush - Apply PermaGard 207 with a clean pure china bristle paint brush.

Roll - Apply PermaGard 207 with a quality short to medium nap roller with phenolic core or a flock roller. A solvent resistant foam roller provides an excellent finish.

POT LIFE

<u>TEMPERATURE</u>	<u>HOURS</u>
20°F (-7°C)	6
40°F (5°C)	5
60°F (16°C)	4
80°F (27°C)	3
100°F (38°C)	1

Pot life ends when viscosity changes and spraying and film build characteristics are impaired.

CLEAN UP

Esgard Thinner 103 or 106. For personal cleanup, use soap and water.

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APPLICATION / SERVICE LIMITATIONS (TYPICAL)

Temperature and Humidity:			
		<u>MIN</u>	<u>MAX</u>
Application (Ambient)		20°F (-7°C)	110°F (43°C)
Application (Material)		20°F (-7°C)	110°F (43°C)
Surface		20°F (-7°C)	145°F (63°C)
Humidity		0%	97%
Service			
	<u>Non-Immersion Dry</u>		
	Continuous	-	200°F (93°C)
	Intermittent	-	250°F (121°C)
	<u>Immersion</u>		
	Continuous	-	150°F (66°C)
Storage		40°F (4.5°C)	110°F (43°C)

This product simply requires application when the surface temperature is above the dew point. Condensation resulting from substrate temperatures below the dew point may cause flash rusting on prepared surfaces and interfere with adhesion. Special application techniques may be necessary above and/or below typical application conditions.

ORDERING INFORMATION

CONTACT # 1-800-888-2511

SHIPPING WEIGHT		<u>2 GAL KIT</u>	<u>10 GAL KIT</u>
	PermaGard 207	28.0 lb (12.7 kg)	136.0 lb (61.8 kg)
		<u>1 GAL</u>	<u>5 GAL</u>
	Thinner 103	8.5 lb (3.9 kg)	42.0 lb (19.0 kg)
	Thinner 106	8.5 lb (3.9 kg)	42.0 lb (19.0 kg)

FLASH POINT	PermaGard 207 – Part A	81°F (27°C)
	PermaGard 207 – Part B	81°F (27°C)
	Thinner 103	45°F (7°C)
	Thinner 106	105°F (41°C)

COLORS Standard colors available. 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/FIRST AID Refer to Material Safety Data Sheet supplied with each order.

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