



PERMAGARD 130 ZINC RICH EPOXY PRIMER

DESCRIPTION	PermaGard 130 is a high performance, high-build epoxy suitable as a primer in aggressive environments. PermaGard 130 is a two component primer that has excellent adhesion to properly prepared surfaces in both hot and cold temperature extremes.						
FIELD OF APPLICATION	PermaGard 130 is an excellent primer for use in a wide variety of environments. Product applications include: <table><tr><td>1. Offshore structures</td><td>4. Pulp and paper mills</td></tr><tr><td>2. Pipelines and storage tanks</td><td>5. Heavy equipment</td></tr><tr><td>3. Refineries and chemical plants</td><td>6. Ships, barges, other marine vessels</td></tr></table>	1. Offshore structures	4. Pulp and paper mills	2. Pipelines and storage tanks	5. Heavy equipment	3. Refineries and chemical plants	6. Ships, barges, other marine vessels
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SERVICE CONDITIONS	PermaGard 130 must be top coated with a suitable heavy duty coating system in corrosive and/or chemical environments. Do not use for immersion of any type. Do not use with potable water.						

TECHNICAL DATA

TYPE	Rust-inhibitive zinc rich epoxy
VOLUME SOLIDS	65%
V.O.C.	As Supplied: 2.40 lb/gal (290 g/l) Thinned 10%: 2.84 lb/gal (343 g/l)
DENSITY	17.3 lbs/gal (2.08 kg/l)
COVERAGE (Theoretical)	1040 sq ft/gal at 1 mil dry (1.54 mils wet) 25.6 sq m/l at 25 microns dry (39 microns wet) 260 sq ft/gal at 3 mils dry (5 mils wet) 6.4 sq m/l at 100 microns dry (154 microns wet)

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

RECOMMENDED DRY FILM THICKNESS	3.0 - 5.0 mils (75 - 125 microns)
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DRY TIME (HOURS) @ 5 MILS DFT		SET TO TOUCH	TO HANDLE	RECOAT/ TOPCOAT	IMMERSION SERVICE (FINAL CURE)
20°F (-7°C)		22	30	30	28 DAYS
40°F (4°C)		10	24	24	21 DAYS
60°F (16°C)		6	14	12	14 DAYS
70°F (21°C)		4	8	6	10 DAYS
80°F (27°C)		3	6	4	7 DAYS
100°F (38°C)		2	4	2	5 DAYS

SURFACE PREPARATION

All surfaces should be cleaned free of all dirt, rust, and other surface contaminants. All surfaces should be blasted to the following norms:

Mild environments - SSPC-SP10-82 near white metal blast or better with 2.0 - 3.0 mils (50 - 75 microns) anchor profile.

Severe environments - SSPC-SP5-82 white metal blast with 2.0 -3.0 mils (50 -75 microns) anchor profile.

APPLICATION

Mix - Mix 4:1 by volume A:B. Mix completely all of Part A with Part B. Do not use partial kits. Allow to stand for 15 minutes to thoroughly mix and ingest.

Thin - Thin only as needed up to 10% (typically 5%) by volume 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 spray equipment. Flush equipment with Thinner 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 a D tip and #64 air cap, or Binks with a #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 a fluid tip size .021 - .025. Fluid tip pressure should be 1300 - 2600 p.s.i.

Brush - Use soft latex brush for touch up only.

Roll - Use short nap roller with phenolic core for touch up only. A solvent resistant foam roller provides an excellent finish.



POT LIFE
(As Supplied)

<u>TEMPERATURE</u>		<u>HOURS</u>
20°F	(-7°C)	24
40°F	(5°C)	12
60°F	(16°C)	8
80°F	(27°C)	6
100°F	(38°C)	3
125°F	(52°C)	1.5

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.

APPLICATION / SERVICE LIMITATIONS

Temperature and Humidity:

	<u>MIN</u>	<u>MAX</u>
Application (Ambient)	20°F (-7°C)	130°F (54°C)
Application (Material)	20°F (-7°C)	130°F (54°C)
Surface	20°F (-7°C)	145°F (63°C)
Humidity	0%	90%
Service		
<u>Non-Immersion Dry</u>		
Continuous	–	250°F (121°C)
Intermittent	–	300°F (149°C)
<u>Immersion</u>		
Continuous	–	125°F (52°C)
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 KIT</u>	<u>5 GAL KIT</u>
	PermaGard 130	20.0 lb (9.0 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)

Manufacturers of Quality Paints, Protective Coatings, and Lubricants
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



FLASH POINT

PermaGard 130 – Part A	95°F (35°C)
PermaGard 130 – Part B	105°F (41°C)
Thinner 106	105°F (41°C)
Thinner 103	45°F (7°C)

COLORS

Green

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.