



ESGARD

PERMAGARD 133 ZINC RICH EPOXY PRIMER

DESCRIPTION	PermaGard 133 is a high performance, zinc rich epoxy suitable as a primer in aggressive environments. PermaGard 133 is a two component primer that has excellent adhesion to properly prepared surfaces that cures in both hot and cold temperature extremes.						
FIELD OF APPLICATION	PermaGard 133 is an excellent primer for use in a wide variety of environments. Product applications include: <table><tr><td>1. Heavy Equipment</td><td>4. Refineries and Chemical Plants</td></tr><tr><td>2. Industrial Machinery</td><td>5. Offshore Structures</td></tr><tr><td>3. Pulp and Paper Mills</td><td></td></tr></table>	1. Heavy Equipment	4. Refineries and Chemical Plants	2. Industrial Machinery	5. Offshore Structures	3. Pulp and Paper Mills	
1. Heavy Equipment	4. Refineries and Chemical Plants						
2. Industrial Machinery	5. Offshore Structures						
3. Pulp and Paper Mills							
SERVICE CONDITIONS	PermaGard 133 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 59%

V.O.C. As Supplied: 2.81 lb/gal (337 g/l)
Thinned 10%: 3.25 lb/gal (390 g/l)

DENSITY 21.8 lbs/gal (2.62 kg/l)

COVERAGE (Theoretical) 946 sq ft/gal at 1 mil dry (1.7 mils wet)
23.2 sq m/l at 25 microns dry (42 microns wet)

236 sq ft/gal at 3 mils dry (5 mils wet)
5.8 sq m/l at 75 microns dry (125 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)

DRY TIME (HOURS) @ 5 MILS DFT 65% R.H. To touch: 1/2 hour
To handle: 2-3 hours
Topcoat: 2-3 hours

Manufacturers of Quality Paints and Protective Coatings
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(337)234-6327 Fax (337) 234-0113 1-800-888-2511

www.esgardcoatings.com



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:

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

UHP:- UHP SSPC-SP12 WJ-3/L or better.

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 psi.

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.

NOTE: Two coats may be necessary to obtain proper film thickness because brushing and rolling tend to push material thinner than required.

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

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

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