



**ESGARD**

## **PERMAGARD 205 SAF-T-GRIP DECK KOTE (FORMERLY ULTRAGARD 205)**

<b>DESCRIPTION</b>	<p>Permagard 205 Saf-T-Grip Deck Kote is a premium quality 100% solids, rust inhibitive, non-skid epoxy coating for light to heavy duty service on steel, aluminum, concrete and other rigid surfaces. It has a high build epoxy coating that has excellent adhesion to properly prepared surfaces and has extreme impact and abrasion resistant properties. Product advantages include:</p> <ol style="list-style-type: none"><li>1. Rust-inhibitive</li><li>2. Incorporates S-T-G particle grit</li><li>3. 0 V.O.C.</li><li>4. Lead and chromate free</li><li>5. Provides excellent wet/dry slip resistance</li><li>6. Hard, tough film</li><li>7. Long term flexibility</li><li>8. May apply a topcoat</li></ol>
<b>FIELD OF APPLICATION</b>	<p>Permagard 205 is ideal as a safety coating for flat or diamond plate decks as well as high impact areas including helidecks and crane loading areas. It is also an effective non-skid coating for concrete floors. Product applications include:</p> <ol style="list-style-type: none"><li>1. Offshore structures</li><li>2. Drilling rigs</li><li>3. Refineries and chemical plants</li><li>4. Warehouses</li><li>5. Marine vessels</li></ol>
<b>SERVICE dry CONDITIONS</b>	<p>Permagard 205 will withstand continuous dry heat of 250°F (121°C) and intermittent heat to 300°F (149°C). The color may change as these limits are approached, but the film will remain intact. Permagard 205 exhibits broad resistance to aggressive chemicals and severe marine environments.</p>

### **TECHNICAL DATA**

TYPE	Rust-inhibitive modified epoxy
VOLUME SOLIDS	100%
V.O.C.	0 lb/gal (0 g/l)
DENSITY	15.2 lbs/gal mixed (1.82 kg/l)
COVERAGE (Theoretical)	1604 sq ft/gal at 1 mil dry (1 mil wet) 39.4 sq m/l at 25 microns dry (25 microns wet)  54 sq ft/gal at 30 mils dry (30 mils wet) 1.31 sq m/l at 750 microns dry (750 microns wet)
RECOMMENDED DRY FILM THICKNESS	Minimum: 25.0 mils (500 microns) Typical: 30.0 mils (750 microns) Maximum: 40.0 mils (1000 microns)

*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

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DRY TIME (HOURS) @ 5 MILS DFT 65% R.H.	70°F (21°C)	80°F (27°C)	100°F (38°C)
Set-to-touch	4	2	1
Recoat	10	4	3
Light Traffic	14	7	4

NOTE: Cure times will be retarded at temperatures below 70°F (21°C). Also, recommended topcoat is PermaGard 305 Acrylic Aliphatic Urethane.

### 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.

For application on steel surfaces, abrasive blast to SSPC-SP10-82 near white metal with a 3 - 4 mil anchor profile.

For application on aluminum, abrasive blast to achieve 3 - 4 mil anchor profile.

For application on concrete, ensure all sand, dust, and other contaminants are removed by power wash, vacuum, forced dry air and other means. Ensure concrete is at least 30 days old and has 3 - 4 mil anchor profile. For smooth, finished concrete acid etch, abrasive blast, or prepare the surface by other means to achieve 3 - 4 mil (minimum) anchor profile. Fill cracks, voids, holes, and other surface defects with PermaGard 211 Patching Compound. Prior to coating ensure substrate is dry or surface as well as retained moisture.

### APPLICATION

Mix - Mix 9:1 by volume A:B. Use a power mixer to agitate Part A. Add Saf-T-Grip particles to Part A, if desired, while mixing. Then add entire contents of Part B while mixing. **NO INDUCTION TIME NEEDED, DO NOT ADD PART B UNTIL READY TO SPRAY.**

Thin - **DO NOT THIN.**

Spray - When spraying with grit mixed into product, use agitated, bottom fed conventional mastic pot with 3/4" diameter fluid hose and mastic gun with 3/16" tip. For broadcast application, use Graco Bulldog 30:1 (minimum) airless spray pump or equal with Teflon packing with 3/8" I.D. fluid hose. Gun should have fluid tip size .019" - .021". Fluid tip pressure should be 1300 - 2600 psi.

Brush - For touch up only. Apply Esgard Permagard 205 with a clean quality brush.

Roll - Not recommended.

Squeegee - When applying with squeegees, spread to a rate of 50 - 65 sq ft/gal. (25 - 30 microns)

NOTE: When brushing, two coats may be required to obtain proper film thickness because brushing tends to push the material thinner than required.

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<b>POT LIFE</b>	<u>TEMPERATURE</u>	<u>MINUTES</u>
	77°F (25°C)	45
	90°F (32°C)	35
	100°F (38°C)	25

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

**CLEAN UP** Esgard Thinner 103, or clean up solvent suitable for epoxy. For personal cleanup, use soap and water.

<b>APPLICATION / SERVICE LIMITATIONS</b>	Temperature and Humidity:			
		<u>MIN</u>	<u>MAX</u>	
	Application (Ambient)	70°F (21°C)	110°F (43°C)	
	Application (Material)	70°F (21°C)	100°F (38°C)	
	Surface	60°F (15°C)	145°F (63°C)	
	Humidity	0%	90%	
	Service			
		<u>Non-Immersion Dry</u>		
		Continuous	–	250°F (121°C)
		Intermittent	–	300°F (149°C)
Storage	45°F (7°C)		100°F (38°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>5 GAL KIT</u>
Permagard 205		81.0 lb (36.9 kg)
	<u>1 GAL</u>	<u>5 GAL</u>
Thinner 103	8.5 lb (3.9 kg)	42.0 lb (19.0 kg)

FLASH POINT	Permagard 205 – Part A	194°F ( 90°C)
	Permagard 205 – Part B	217°F (103°C)
	Thinner 103	45°F ( 7°C)

**COLORS** Standard colors available. Custom colors on request.

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**SHELF LIFE** Six (6) 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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