



ULTRAGARD 207 FAST RECOATABLE ALL SEASON EPOXY

DESCRIPTION

UltraGard 207 is a fast dry all season epoxy coating formulated to allow for multiple coats to be applied in the same day. A premium high solids/ low VOC epoxy, it is suitable as a primer, intermediate, or finish coat, if desired. It has excellent penetration and adhesion to rusted surfaces, aged galvanized and most existing paint systems in both hot and cold temperatures. Product advantages include:

- | | |
|--------------------------|---|
| 1. Fast Dry/Cure | 7. Hard, tough film |
| 2. Rust inhibitive | 8. Minimal surface preparation |
| 3. User friendly | 9. Excellent recoating properties |
| 4. Low V.O.C. | 10. Lead and chromate free colors available |
| 5. 1:1 mixing ratio | 11. Low temperature cure |
| 6. Long term flexibility | 12. Excellent elevated temperature pot life |

FIELD OF APPLICATION

UltraGard 207 is ideal for use in light to heavy industrial or marine environments as a primer, intermediate, or finish coat. Product applications include:

- | | |
|-----------------------------------|-------------------------|
| 1. Storage tanks and pipelines | 5. Industrial machinery |
| 2. Refineries and chemical plants | 6. Marine vessels |
| 3. Offshore structures | 7. Pulp and paper mills |
| 4. Drilling rigs | 8. Heavy equipment |

SERVICE CONDITIONS

UltraGard 207 exhibits broad resistance to aggressive chemicals and severe marine environments. It is not recommended for exposure to strong acids, vigorous oxidizing solutions or immersion services in acids, alkalies or solvents. Typical chemical resistance is as indicated in the chart below. UltraGard 207 Fast Recoatable will withstand continuous dry heat of 250°F (121°C) and intermittent dry heat to 300°F (149°C). The color may change as these limits are approached, but the film will remain intact. For immersion in fresh or salt water, the continuous temperature should not exceed 150°F (66°C). Do not use potable water. For further information, see application/service limitations.

<u>Exposure</u>	<u>Immersion</u>	<u>Splash & Spill</u>	<u>Fumes</u>
Acids	Very Good	Very Good	Excellent
Alkalies	Very Good	Very Good	Excellent
Solvents	Very Good	Very Good	Excellent
Salt Water	Excellent	Excellent	Excellent
Water	Excellent	Excellent	Excellent

TECHNICAL DATA

TYPE Rust-inhibitive modified epoxy

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



VOLUME SOLIDS 73%

V.O.C. As Supplied: 2.17 lb/gal (260 g/l)
 Thinned 10%: 2.60 lb/gal (311 g/l)

DENSITY 13.1 lbs/gal (1.57 kg/l)

COVERAGE (Theoretical) 1171sq ft/gal at 1 mil dry (1.37 mils wet)
 28.8 sq m/l at 25 microns dry (34 microns wet)

234 sq ft/ gal at 5 mils dry (6.9 mils wet)
 5.76 sq m/l at 125 microns dry (170 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 <u>Touch</u>	To <u>Handle</u>	Recoat	Topcoat	Immersion Service (Final Cure)
20°F (-7°C)	8	16	10	12	28 Days
40°F (4°C)	4	8	5	6	21 Days
60°F (16°C)	3	7	4	5	14 Days
80°F (27°C)	2	5	2	3	7 Days
100°F (38°C)	1	3	1	2	5 Days

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 - Remove all loose paint, dirt, rust, hydrocarbons, and other surface contaminants via the most economical method:

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).

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).

NOTE: UltraGard 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

Flush equipment with Thinner 106 prior to use.

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 p.s.i.

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

Roll - Apply UltraGard 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.

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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)	110°F (43°C)
	Application (Material)	20°F (-7°C)	100°F (38°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)	

Note: 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>2 GAL KIT</u>	<u>10 GAL KIT</u>
UltraGard 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

UltraGard 207 – Part A	81°F (27°C)
UltraGard 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 Eighteen (18) 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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