

ATT: MARTY CANTWELL

2 PAGES

5.20



Industrial and Marine
Coatings

PART A B65-400 SERIES
PART A B65-200 SERIES
PART B B60V2

GLOSS
SATIN
HARDENER

COROTHANE® II

PRODUCT INFORMATION

Revised 1/2000

PRODUCT DESCRIPTION	RECOMMENDED USES																																																																
<p>COROTHANE II is a 2-component, VOC compliant, aliphatic acrylic modified polyurethane designed for use in industrial environments.</p> <ul style="list-style-type: none"> A chemical and abrasion resistant urethane enamel. A heavy duty maintenance coating for use in "high visibility areas." Suitable for use in USDA inspected facilities. 	<p>For use over prepared substrates in industrial environments, such as:</p> <ul style="list-style-type: none"> Offshore platforms Rolling stock Paper mills Clean rooms Power plants Conveyors Refineries Marine Applications Exterior surfaces of steel tanks Structural steel Chemical processing equipment Exterior metal siding and trim Precipital surfaces Oil field machinery Handrails 																																																																
PRODUCT CHARACTERISTICS	PERFORMANCE CHARACTERISTICS																																																																
<p>Finish: Satin or Gloss</p> <p>Color: Ultra White and a wide range of colors available, including safety colors</p> <p>Volume Solids: Satin - 0% ± 2%/Gloss 83% ± 2% Ultra White, mixed, may vary by color</p> <p>Weight Solids: 76% ± 2%, Ultra White, mixed, may vary by color</p> <p>VOC (EPA method #24): 50% Pure White: 5 g/L; 2.6 lb/gal Unreduced: 3 g/L; 2.6 lb/gal Reduced 10%: 30 g/L; 3.24 lb/gal 30% Gloss, Pure White: 304 g/L; 2.54 lb/gal 360 g/L; 3.0 lb/gal</p> <p>Mix Ratio: 4:1 b. volume</p> <p>Recommended Spreading Rate Wet mils: 3.0 - 0 Dry mils: 2.0 - 0 Coverage: 230 - 00 sq ft/gal approximate</p> <p>Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.</p> <p>SATIN: Drying Schedule @ 4.0 mils wet @ 50% RH:</p> <table border="1"> <thead> <tr> <th></th> <th>@ 40°F</th> <th>@ 77°F</th> <th>@ 120°F</th> </tr> </thead> <tbody> <tr> <td>To touch</td> <td>8 hours</td> <td>2 hours</td> <td>1 hour</td> </tr> <tr> <td>To handle</td> <td>24 hours</td> <td>8 hours</td> <td>4 hours</td> </tr> <tr> <td>To recoat:</td> <td></td> <td></td> <td></td> </tr> <tr> <td> minimum:</td> <td>24 hours</td> <td>8 hours</td> <td>4 hours</td> </tr> <tr> <td> maximum:</td> <td>14 days</td> <td>14 days</td> <td>14 days</td> </tr> <tr> <td>To cure:</td> <td>14 days</td> <td>10 days</td> <td>7 days</td> </tr> </tbody> </table> <p>GLOSS: Drying Schedule @ 4.0 mils wet @ 50% RH:</p> <table border="1"> <thead> <tr> <th></th> <th>@ 40°F</th> <th>@ 77°F</th> <th>@ 120°F</th> </tr> </thead> <tbody> <tr> <td>To touch</td> <td>4 hours</td> <td>30 minutes</td> <td>20 minutes</td> </tr> <tr> <td>To handle</td> <td>44 hours</td> <td>8 hours</td> <td>3 hours</td> </tr> <tr> <td>To recoat:</td> <td></td> <td></td> <td></td> </tr> <tr> <td> minimum:</td> <td>44 hours</td> <td>8 hours</td> <td>3 hours</td> </tr> <tr> <td> maximum:</td> <td>3 months</td> <td>3 months</td> <td>3 months</td> </tr> <tr> <td>To cure:</td> <td>14 days</td> <td>10 days</td> <td>7 days</td> </tr> <tr> <td>Pot Life: Satin</td> <td>8 hours</td> <td>4 hours</td> <td>2 hours</td> </tr> <tr> <td> Gloss:</td> <td>8 hours</td> <td>8 hours</td> <td>2 hours</td> </tr> </tbody> </table> <p>If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.</p> <p>Sweet-In-Time: none required</p> <p>Shelf Life: 36 months, unopened, at 77°F</p> <p>Flash Point (Sets Flash): Satin 80°F, mixed Gloss 95°F, mixed</p> <p>Reducer/Clean Up: Spray - Reducer #58, R7K58 Brush/Roll - Reducer #218, R7K218</p>		@ 40°F	@ 77°F	@ 120°F	To touch	8 hours	2 hours	1 hour	To handle	24 hours	8 hours	4 hours	To recoat:				minimum:	24 hours	8 hours	4 hours	maximum:	14 days	14 days	14 days	To cure:	14 days	10 days	7 days		@ 40°F	@ 77°F	@ 120°F	To touch	4 hours	30 minutes	20 minutes	To handle	44 hours	8 hours	3 hours	To recoat:				minimum:	44 hours	8 hours	3 hours	maximum:	3 months	3 months	3 months	To cure:	14 days	10 days	7 days	Pot Life: Satin	8 hours	4 hours	2 hours	Gloss:	8 hours	8 hours	2 hours	<p>System Tested: (unless otherwise indicated) Substrate: Steel Surface Preparation: SSPC-SP6 1 ct. Recoatable Epoxy Primer @ 4.0 mils dft 1 ct. Corothane II @ 3.0 mils dft</p> <p>Abrasion Resistance: Method: ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load Result: 142 mg loss</p> <p>Adhesion: Method: ASTM D4541 Result: 1800 psi</p> <p>Direct Impact Resistance: Method: ASTM D2794 Result: 85 in. lbs.</p> <p>Dry Heat Resistance: Method: ASTM D2485 Result: 200°F</p> <p>Exterior Durability: Method: 1 year at 45° South Result: Passes</p> <p>Flexibility: Method: ASTM D522, 180° bend, 7/16" mandrel Result: Passes</p> <p>Moisture Condensation Resistance: Method: ASTM D4585, 100°F, 1000 hours Result: No blisters, rust, delamination, or rust creepage at scribe</p> <p>Pencil Hardness: Method: ASTM D3363 Result: B</p> <p>Salt Fog Resistance: Method: ASTM B117, 500 hours Result: No cracking blistering, softening, or delamination No more than 1/8" rust creepage at scribe</p> <p>Thermal Shock: Method: ASTM D2246, 5 cycles Result: Excellent</p>
	@ 40°F	@ 77°F	@ 120°F																																																														
To touch	8 hours	2 hours	1 hour																																																														
To handle	24 hours	8 hours	4 hours																																																														
To recoat:																																																																	
minimum:	24 hours	8 hours	4 hours																																																														
maximum:	14 days	14 days	14 days																																																														
To cure:	14 days	10 days	7 days																																																														
	@ 40°F	@ 77°F	@ 120°F																																																														
To touch	4 hours	30 minutes	20 minutes																																																														
To handle	44 hours	8 hours	3 hours																																																														
To recoat:																																																																	
minimum:	44 hours	8 hours	3 hours																																																														
maximum:	3 months	3 months	3 months																																																														
To cure:	14 days	10 days	7 days																																																														
Pot Life: Satin	8 hours	4 hours	2 hours																																																														
Gloss:	8 hours	8 hours	2 hours																																																														

JOHN JENNISON
319-754-5135



*Industrial and Marine
Coatings*

COROTHAN

PART A B65-400 SERIES
PART A B65-200 SERIES
PART B B60V2

PRODUCT INFORMATION

RECOMMENDED SYSTEMS	SURFACE PREPARATION
<p>Steel, universal primer: 1 ct. Kern Bond HS Primer @ 2.1 - 5.0 mils dft 1-2 cts. Corothane II @ 2.0 - 4.0 mils dft/ct</p> <p>Steel, epoxy primer: 1 ct. Recoatable Epoxy Primer @ 4.0 - 6.0 mils dft 1-2 cts. Corothane II @ 2.0 - 4.0 mils dft/ct</p> <p>Steel, epoxy mastic primer: 1 ct. Epoxy Mastic Aluminum II @ 0.0 - 0.0 mils dft 1-2 cts. Corothane II @ 2.0 - 4.0 mils dft/ct</p> <p>Steel, inorganic zinc-rich primer: 1 ct. Zinc-Clad II HS Ethyl Silicate @ 3.0 - 5.0 mils dft 1 ct. Recoatable Epoxy Primer @ 4.0-6.0 mils dft 2 cts. Corothane II @ 2.0 - 4.0 mils dft/ct</p> <p>Galvanized Metal: 1. Tile-Clad High Solids @ 2.5 - 4.0 mils dft 1 cts. Corothane II @ 2.0 - 4.0 mils dft/ct</p> <p>Aluminum: 1. DTM Wash Primer @ 0.7 - 1.3 mils dft 1 cts. Corothane II @ 2.0 - 4.0 mils dft/ct</p> <p>Concrete: 1. Heavy Duty Block Filler @ 10.0 - 18.0 mils dft 1 cts. Corothane II @ 2.0 - 4.0 mils dft/ct</p> <p>Improve Corothane II product performance and extend long weathering characteristics, apply 1 coat of Diamond-Clad Urethane @ 1.0 - 2.0 mils dft.</p>	<p>Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign matter to ensure adequate adhesion.</p> <p>Refer to product Application Bulletin for detailed surface preparation information.</p> <p>Minimum recommended surface preparation</p> <ul style="list-style-type: none"> * Iron & Steel: SSPC-SP6, 2 mil profile * Aluminum: SSPC-SP1 * Galvanizing: SSPC-SP1 * Concrete & Masonry: SSPC-SP13/NACE 6 <p>* Primer required</p>
	COLOR AVAILABILITY/TINTING
	<p>Tint with H01s 844 colorants only into Part A at 100% tint strength. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.</p> <p>Color: Ultra White and a wide range of colors available, including safety colors.</p>
	APPLICATION CONDITIONS
	<p>Temperature: 40°F minimum, 120°F maximum (air, surface, and material) At least 5°F above dew point</p> <p>Relative humidity: 85% maximum</p> <p>Refer to product Application Bulletin for detailed application information.</p>
	ORDERING INFORMATION
	<p>Packaging: Part A: 1 gallon and 4 gallon kits Part B: 1 quart and 1 gallon</p> <p>Weight per gallon: Gloss 10.9 ± 0.2 lb Satin 11.9 ± 0.2 lb mixed, may vary with color</p>
	SAFETY PRECAUTIONS
	<p>Refer to the MSDS sheet before use.</p> <p>Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams distributor for additional technical data.</p>

Systems listed above are representative of the product's recommended systems. Other systems may be appropriate.