

Revised 09/2012 Issue 2

PRODUCT INFORMATION

PRODUCT DESCRIPTION		ENDORSEMENTS																
<p>Cor-Cote FC C800 Fast Cure Epoxy is a solvent free epoxy amine tank coating designed for immersion service in fuel and petroleum storage tanks where a rapid return to service is required.</p> <p>Resistance to:</p> <ul style="list-style-type: none"> • Petrol – Excellent • Diesel – Excellent • Kerosene – Excellent • Ethanol – Very Good • Boiling Water – Excellent 		<ul style="list-style-type: none"> • Meets the performance requirements of MIL PRF 4556 																
PRODUCT CHARACTERISTICS		PRACTICAL APPLICATION RATES																
<p>Finish: Gloss Color: White</p> <p>Volume Solids: 100% Weight Solids: 100%</p> <p>VOC: • 8g/l determined practically in accordance with UK regulations PG6/23</p> <p>Mix Ratio: 2 parts base to 1 part additive by volume</p> <p>Recommended Application Methods: • Plural component spray application equipment • Brush (for small areas and touch up only)</p>		<p>MICRONS PER COAT (MILS)</p> <table border="1"> <thead> <tr> <th></th> <th>Airless Spray:</th> <th>Brush</th> </tr> </thead> <tbody> <tr> <td>Dry:</td> <td>500 (20)</td> <td>200 (8)</td> </tr> <tr> <td>Wet:</td> <td>500 (20)</td> <td>200 (8)</td> </tr> </tbody> </table> <p>Maximum sag tolerance typically 1000µm (40mils) dry by airless spray.</p>			Airless Spray:	Brush	Dry:	500 (20)	200 (8)	Wet:	500 (20)	200 (8)						
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<p>Typical Thicknesses</p> <table border="1"> <thead> <tr> <th></th> <th>Minimum</th> </tr> </thead> <tbody> <tr> <td>Dry microns (mils)</td> <td>500 (20)</td> </tr> <tr> <td>Wet microns (mils)</td> <td>500 (20)</td> </tr> <tr> <td>Theoretical Coverage m²/l (sq ft/US gal)</td> <td>2(82.5)</td> </tr> </tbody> </table> <p><i>* This figure makes no allowance for surface profile, uneven application, overspray or losses in containers and equipment. Film thickness will vary depending on actual use and specification.</i></p>			Minimum	Dry microns (mils)	500 (20)	Wet microns (mils)	500 (20)	Theoretical Coverage m²/l (sq ft/US gal)	2(82.5)	APPLICATION EQUIPMENT								
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<p>Average Drying Times @ 500 microns (20 mils) wet:</p> <table border="1"> <thead> <tr> <th></th> <th>@ 5°C/41°F</th> <th>@ 23°C/74°F</th> </tr> </thead> <tbody> <tr> <td>To touch:</td> <td>8 hours</td> <td>2.5 hours</td> </tr> <tr> <td>To handle:</td> <td>16 hours</td> <td>5 hours</td> </tr> <tr> <td>To recoat (min)</td> <td>See below</td> <td>10 hours</td> </tr> <tr> <td>To recoat (max)</td> <td>See below</td> <td>14 days</td> </tr> </tbody> </table> <p><i>Overcoating at temperatures below 10°C will require the first coat to be abraded to ensure optimum adhesion of the second coat. See Application Conditions for further detail.</i></p> <p>Pot Life: 40 minutes 30 minutes</p>			@ 5°C/41°F	@ 23°C/74°F	To touch:	8 hours	2.5 hours	To handle:	16 hours	5 hours	To recoat (min)	See below	10 hours	To recoat (max)	See below	14 days	<p>The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed cleanser solvent. It is not recommended to thin this material.</p> <p>Cor-Cote FC C800 is applied using dual component hot airless spray application equipment. The following is a typical set up for application of Cor-Cote FC C800:</p> <p>Airless Spray Operating Temperature:30-35°C/85-95°F at tip Nozzle Size:0.48mm-0.53mm (19-21 thou) Operating Pressure:176kg/cm² (2500 psi) at the tip</p> <p>The airless spray details given above are intended as a guide only. Details such as fluid hose length and diameter, paint temperature and job shape and size all have an effect on the spray tip and operating pressure chosen. However, the operating pressure should be the lowest possible consistent with satisfactory atomisation. As conditions will vary from job to job, it is the applicators' responsibility to ensure that the equipment in use has been set up to give the best results.</p> <p>Brush The material is suitable for brush application to small areas and for touch up purposes. Application of more than one coat may be necessary to give equivalent dry film thicknesses to a single spray applied coat.</p>	
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<p>Cure to Service: 24 hours (dependent on cargo/temperature)</p> <p>Shelf Life: 12 months from date of manufacture or 'use by' date where specified.</p> <p>Flash Point: 110°C/230°F</p> <p>Thinner: Not recommended</p> <p>Clean Up: Leighs Cleanser/Thinner 9</p>																		

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PRODUCT INFORMATION

RECOMMENDED USES

- As a tank lining offering a rapid return to service in a number of petrochemical fuels and cargos
- As a high build finish for use on the internal surfaces of water tanks and pipes

RECOMMENDED TOPCOATS

It is not normally required to apply a topcoat to Cor-Cote FC C800

ADDITIONAL NOTES

Drying times, curing times and pot life should be considered as a guide only.

Epoxy Coatings - Colour Stability

Variable colour stability is a feature of epoxy materials which tend to yellow and darken with age whether used on internal or external areas. Therefore any areas touched-up and repaired with the same colour at a later date may be obvious due to this colour change. When epoxy materials are exposed to ultra-violet light a surface chalking effect will develop. This phenomenon results in loss of gloss and a fine powder coating at the surface which may give rise to colour variation depending on the aspect of the steelwork. This effect in no way detracts from the performance of the system.

Epoxy Coatings - Tropical Use

The maximum air and substrate temperature for application is 50°C/122°F providing the conditions allow satisfactory application and film formation. If the air and substrate temperatures exceed 50°C/122°F and epoxy coatings are applied under these conditions, paint film defects such as dry spray, bubbling and pinholing etc. can occur within the coating.

Numerical values quoted for physical data may vary slightly from batch to batch.

SURFACE PREPARATION

Blast clean to Sa2½ BS EN ISO 8501-1:2007 (SSPC-SP10/NACE 2). Average surface profile in the range 50-75 microns.

Ensure surfaces to be coated are clean, dry and free from all surface contamination.

APPLICATION CONDITIONS

This material should preferably be applied at temperatures in excess of 10°C/50°F. Relative humidity should not exceed 75% and in these conditions good ventilation is essential. Substrate temperature should be at least 3°C/37°F above the dew point and always above 0°C/32°F.

If the ambient temperature drops below 10°C/50°F during the curing of Cor-Cote FC C800, it will be necessary to abrade and wipe clean the first coat should subsequent coats be required for touch up or increased film build. Cleanser Thinner 9 is recommended for this cleaning process. This will ensure that optimum adhesion is achieved between the two coats.

ORDERING INFORMATION

Packaging: A two component material supplied in separate containers to be mixed prior to use.

Pack Size: 30 litre (7.9 US Gallon) and 60 litre (15.8 US Gallon)

Weight: 1.533kg/litre (12.8lb/gal mixed)

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.