

SELECTION & SPECIFICATION DATA

| | |
|----------------------------------|--|
| Generic Type | Epoxy Polyamido Amine |
| Description | A high build epoxy coating for sealing and filling porous and irregular cementitious surfaces. Particularly recommended for walls in critical areas of institutional, pharmaceutical, and food processing plants where concrete surfaces must be prepared for ease of cleaning and surface decontamination. It is recommended as a primer on concrete under Sanitile and other Carboline topcoats. Not recommended for immersion service without recommended topcoats. |
| Features | <ul style="list-style-type: none"> • Very good abrasion resistance • Very good flexibility and impact resistance • Recommended for concrete or other surfaces • Excellent for filling and sealing concrete and concrete masonry units • Suitable for use in USDA inspected facilities |
| Color | Off-white |
| Gloss | Low Gloss |
| Dry Film Thickness | 2 - 20 mils (51 - 508 microns) per coat |
| Solids Content | By Volume 75% +/- 2% |
| Theoretical Coverage Rate | 1203 ft ² /gal at 1.0 mils (29.5 m ² /l at 25 microns) 602 ft ² /gal at 2.0 mils (14.8 m ² /l at 50 microns) 60 ft ² /gal at 20.0 mils (1.5 m ² /l at 500 microns) Allow for loss in mixing and application. |
| VOC Values | As Supplied : 1.80 lbs/gal (216 g/l) mixed Thinner 10 : 13 oz/gal: 2.3 lbs/gal (276 g/l) Thinner 2 : 13 oz/gal: 2.29 lbs/gal (273 g/l) |
| Dry Temp. Resistance | Continuous: 200°F (93°C) Non-Continuous: 300°F (149°C) |
| Product Compatibility | Should be applied directly to concrete substrate or over Carboguard 1340 if a pre-prime or curing compound is desired |
| Topcoats | Various as service demands. Contact Carboline for additional information. Consult topcoat for Chemical Resistance Guide. |

SUBSTRATES & SURFACE PREPARATION

| | |
|------------------------|---|
| General | Surfaces <u>must</u> be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating. |
| Concrete or CMU | Concrete shall be designed, placed, cured, and prepared per NACE No. 6/SSPC-SP 13, latest edition. Abrade to remove all laitance, loose concrete, etc. and to create surface profile in accordance with the appropriate ICRI CSP 2-5. |

MIXING & THINNING

| | |
|-----------------|--|
| | Power mix separately, then combine and power mix in the following proportions: |
| Mixing | 2 Gal. Kit |
| | Part A: 1 Gallon |
| | Part B: 1 Gallon |
| | 10 Gal. Kit |
| | Part A: 5 gallons |
| | Part B: 5 gallons |
| Ratio | 1:1 ratio (A to B) |
| Pot Life | 1½ hours at 75 °F (24 °C) and less at higher temperatures. Pot life ends when coating becomes too viscous to use. |

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

| | |
|-------------------------------------|---|
| Spray Application (General) | Hold gun 12-14 inches from the surface and at a right angle to the surface. Squeegee surfacer into all holes. Apply second coat at full thickness. |
| Conventional Spray | Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, 0.070" I.D. fluid tip and appropriate air cap. Thin up to 10% by volume with Carboline Thinner 2. |
| Airless Spray | <p>Pump Ratio: 45:1 (min.) Volume Output: 11.5 l/min (min.) (2.5 gpm min.) Material Hose: 12.5 mm (min.) (½" I.D. min.) Tip Size: 0.43-0.53 mm (0.017-0.021") Output Pressure: 105-140 kg/cm² (1500-2000 psi) Use a ½" minimum I.D. material hose. The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.</p> <p>Mfr. & Gun Use either model below: Graco 207-300 Binks Model 520</p> <p>Pump* Huskie (DeVilbiss) Bulldog 45:1 Jupiter 8D *PTFE packings are recommended and available from pump manufacturer.</p> |
| Brush & Roller (General) | Thin up to 10% by volume per gallon with Thinner 10. Brush only for touch-up. |
| Roller | Useful where spraying is impractical. Immediately after rolling, squeegee surfacer into all holes. Apply second coat at full thickness. |

APPLICATION CONDITIONS

| Condition | Material | Surface | Ambient | Humidity |
|-----------|-------------|-------------|-------------|----------|
| Minimum | 55°F (13°C) | 50°F (10°C) | 45°F (7°C) | 0% |
| Maximum | 90°F (32°C) | 90°F (32°C) | 95°F (35°C) | 95% |

This product simply requires the substrate temperature to be above the dew point. Condensation due to substrate temperatures below the dew point can cause flash rusting on prepared steel and interfere with proper adhesion to the substrate. Special application techniques may be required above or below normal application conditions.

CURING SCHEDULE

| Surface Temp. | Dry to Touch | Minimum Recoat Time | Hard Cure |
|---------------|--------------|---------------------|-----------|
| 50°F (10°C) | 8 Hours | 24 Hours | 30 Hours |
| 60°F (16°C) | 2.5 Hours | 12 Hours | 24 Hours |
| 75°F (24°C) | 2 Hours | 6 Hours | 18 Hours |

These times are based on recommended coverage rates. *Fingernail hard.

CLEANUP & SAFETY

| | |
|--------------------|---|
| Cleanup | Use Thinner 2 or Acetone. In case of spillage, absorb and dispose of in accordance with local applicable regulations. |
| Safety | Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Use adequate ventilation. Keep container closed when not in use. |
| Ventilation | When used as a tank lining or in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. User should test and monitor exposure levels to insure all personnel are below guidelines. If not sure or if not able to monitor levels, use MSHA/NIOSH approved supplied air respirator. |

PACKAGING, HANDLING & STORAGE

| | |
|---|--|
| Shelf Life | Part A: 24 months at 75 °F (24 °C) Part B: 24 months at 75 °F (24 °C) *Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers. |
| Storage Temperature & Humidity | 40-100 °F (4-38 °C) 0-95% Relative Humidity |
| Storage | Store Indoors. KEEP DRY. |
| Shipping Weight (Approximate) | 2 Gallon Kit 25 lbs. (11 kg) Carboline Thinner 2: 9 lbs. (4 kg) in 1 gallon pails Carboline Thinner 10: 9 lbs. (4 kg) in 1 gallon pails 10 Gallon Kit 125 lbs. (11 kg) Carboline Thinner 2: 43 lbs. (20 kg) in 5 gallon pails Carboline Thinner 10: 43 lbs. (20 kg) in 5 gallon pails |

Sanitile® 600

PRODUCT DATA SHEET



PACKAGING, HANDLING & STORAGE

| | |
|--------------------------------|---------------------------|
| Flash Point (Setaflash) | Part A: 50 °F (10 °C) |
| | Part B: 80 °F (27 °C) |
| | Thinner 10: 83 °F (28 °C) |
| | Thinner 2: 23 °F (-5 °C) |

WARRANTY

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.