

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Water-based Epoxy filler/sealer
<b>Description</b>	A heavy-duty, two-component, water-based, epoxy block filler/sealer that is designed to fill and seal concrete masonry units and other concrete surfaces. It provides a stronger base-coat than standard acrylic block fillers for those projects requiring more physical and chemical resistant properties.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Low odor</li> <li>• Fast drying</li> <li>• Very low VOC</li> <li>• Excellent moisture resistance</li> <li>• Excellent application properties</li> <li>• No fire hazard</li> </ul>
<b>Color</b>	Off-white only
<b>Finish</b>	Flat
<b>Dry Film Thickness</b>	5 - 20 mils (127 - 508 microns) per coat Film thickness will depend on condition/porosity of substrate and desired final appearance. For best appearance, two coats of block filler may be needed. A jobsite sample is highly recommended.
<b>Solids Content</b>	By Volume 53% +/- 2%
<b>Theoretical Coverage Rate</b>	850 ft <sup>2</sup> /gal at 1.0 mils (20.9 m <sup>2</sup> /l at 25 microns) 170 ft <sup>2</sup> /gal at 5.0 mils (4.2 m <sup>2</sup> /l at 125 microns) 43 ft <sup>2</sup> /gal at 20.0 mils (1.0 m <sup>2</sup> /l at 500 microns) Allow for loss in mixing and application.
<b>VOC Values</b>	<b>As Supplied</b> : 0.38 lbs/gal (45 g/l) EPA Method 24: 0.64 lbs/gal (77 g/l) (Calculated minus water and VOC-exempt solvents) <b>These are nominal values.</b>
<b>Dry Temp. Resistance</b>	Continuous: 200°F (93°C) Non-Continuous: 250°F (121°C)
<b>Topcoats</b>	Topcoat with appropriate Sanitile finish.

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	Surfaces must be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.
<b>Concrete or CMU</b>	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

<b>Mixing</b>	Power mix each component, then combine as follows: <b>2 Gallon Kit</b> Part A: 1 Gallon Part B: 1 Gallon <b>10 Gallon Kit</b> Part A: 5 Gallons Part B: 5 Gallons
<b>Thinning</b>	Normally not required. May be thinned up to 5% with clean potable water.
<b>Pot Life</b>	4 hours at 75 °F (24 °C) and less at higher temperatures. Pot life ends when coating loses body and begins to sag.

## 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.

<b>Spray Application (General)</b>	The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss, Speedflo, and Graco. Prior to use, flush all equipment with Thinner #21 followed by clean potable water.
<b>Conventional Spray</b>	Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, with a maximum length of 50', 0.086" I.D. fluid tip and appropriate air cap.
<b>Airless Spray</b>	Pump Ratio: 30:1 (min.)* GPM Output: 3.0 (min.) Material Hose: 3/8" I.D. (min.) Tip Size: 0.025-0.028" Output PSI: 1600-2400 Filter Size: 30 mesh *PTFE packings are recommended and available from the pump manufacturer.
<b>Brush &amp; Roller (General)</b>	Use a synthetic bristle brush. Multiple coats may be required to achieve desired dry film thickness and hiding characteristics. For smooth surfaces, use a short woven nap synthetic roller. For rough surfaces, cinder block or very porous concrete, use a 3/8" woven nap synthetic roller. Multiple coats may be required to obtain desired appearance, hiding and recommended dry film thickness. For a smoother, more sealed surface it may be squeegeed after spraying or rolling.

## APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	50°F (10°C)	50°F (10°C)	20%
Maximum	95°F (35°C)	110°F (43°C)	110°F (43°C)	90%

**Do not apply when the surface temperature is less than 5 °F (3 °C) above the dew point.** Special thinning and application techniques may be required above or below normal application conditions. **Do not apply if temperatures are expected to drop below 50 °F(10 °C) within 24 hours of application.**

## CURING SCHEDULE

Surface Temp.	Dry to Handle	Dry to Recoat
75°F (24°C)	6 Hours	6 Hours

These times are based on a 10.0 mil (250 micron) dry film thickness and 40-60% relative humidity. Higher film thicknesses, insufficient ventilation, high humidity or cooler temperatures will require longer cure times.

## CLEANUP & SAFETY

**Cleanup** | Use potable water. If partially dry use Thinner 2.

**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.

## PACKAGING, HANDLING & STORAGE

**Shelf Life** | Part A: 12 months at 75 °F (24 °C)  
Part B: 12 months at 75 °F (24 °C)

**Storage Temperature & Humidity** | 40-100 °F (4-38 °C)  
0-90% Relative Humidity

**Storage** | Store Indoors. **DO NOT FREEZE.**

**Shipping Weight (Approximate)** | **1 Gallon** - 15 lbs (6.8 kg)  
**5 Gallon** - 75 lbs (34 kg)

**Flash Point (Setaflash)** | Part A: >200 °F (93 °C)  
Part B: >200 °F (93 °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.