

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Rapid setting cementitious urethane underlayment mortar
<b>Description</b>	Carbocrete Fill rapid setting urethane cement underlayment mortar. Applied by trowel or screed bar from 0.5-2.0" (1.3-5.1 cm). Fast and efficient repair for damaged floor slabs. Carbocrete Fill creates sloping on a floor where time doesn't allow the use of normal concrete or polymer floor mortars.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Fast &amp; efficient repair of concrete flooring</li> <li>• Quick &amp; easy leveling and sloping of concrete floors</li> <li>• Dry to topcoat in 6 hours</li> </ul>
<b>Color</b>	Natural
<b>Finish</b>	Matte
<b>Primer</b>	Normally not required.
<b>Recommended Thickness</b>	0.5-2.0" (1.27-5.08 cm)
<b>Practical Yield</b>	0.56 ft <sup>3</sup> per single pack unit (0.0158 m <sup>3</sup> per single pack unit)
<b>VOC Values</b>	As supplied 0.04 lbs/gal (5 g/L)
<b>Limitations</b>	Not resistant to ground hydrostatic pressure.
<b>Topcoats</b>	Topcoat with recommended Carbocrete systems
<b>Density</b>	Approximately 19 lbs/gal (2.28 kg/L)

## SUBSTRATES & SURFACE PREPARATION

<b>Concrete</b>	<p>Concrete shall be designed, placed, cured, and prepared per NACE No. 6/SSPC-SP 13, latest edition. Concrete or screed substrate should be sound, free from laitance, dust, and other contamination with a minimum of 3,625 PSI compressive strength. The substrate should be dry and free from excess rising moisture. Abrade the surface to achieve an ICRI CSP 5-6 surface profile.</p> <p>Anchor grooves, at least ¼" (0.64 cm) wide and ¼" (0.64 cm) deep, must be cut at 6" (15.2 cm) perimeter along all walls, edges, pillars, doors, drainage channels, grid drains and penetrative joints. All control joints must be honored. Anchor grooves must be cut on both sides of such joints. Welded joints and cracks in the concrete may be coated, but if movement occurs the coating will also crack. All residues must be removed to provide a dry, dust free open textured surface. The surface profile and levels should be appropriate for the system to be applied.</p>
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## PERFORMANCE DATA

Test Method	System	Results
Compressive Strength (ASTM D579)	Carbocrete Fill	7,200 psi
Flexural Strength (ASTM C580)	Carbocrete Fill	1,600 psi
Tensile Strength (ASTM C307)	Carbocrete Fill	1,000 psi

### MIXING & THINNING

**Mixing** | Add Carbocrete Fill Base A to mixing vessel. Add Carbocrete Fill Hardener B and mix with slow speed drill and helical paddle for 30 seconds. Add 2 bags of Carbocrete Filler C and mix in a forced action mixer for 2 minutes, ensuring all filler has been fully dispersed.

**Working Time** | 10 minutes at a temperature of 70 °F (21 °C).  
At higher temperatures the application time is shorter.

### APPLICATION PROCEDURES

**General** | Prior to starting the job, the product should be stored in such a way that the temperature is the same as the room temperature where the product is to be applied, i.e. between 60-80 °F (16-27 °C). This improves the mixing, flow, penetration and hardening of the product.

**Application** | Pour the material into a screed box (laying box) that is set to a depth which is 1/16" (0.16 cm) greater than the required thickness. Pull the box slowly (across the width of the area to applied) allowing the material to flow from the bottom of the box and achieve consistent coverage. The material can also be spread using a screeding bar. The surface can then be compacted and finished with a trowel.

### APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	50°F (10°C)	50°F (10°C)	0%
Maximum	90°F (32°C)	90°F (32°C)	90°F (32°C)	95%

The temperature of the substrate should be at least 50 °F (10 °C), although a temperature of 60-80 °F (16-27 °C) is recommended. The temperature of the substrate should not exceed the dew point by more than 5 °F (3 °C) during application and hardening.

### CURING SCHEDULE

Surface Temp.	Tack Free	Dry to Topcoat	Maximum Recoat Time
70°F (21°C)	6 Hours	6 Hours	24 Hours

\*Requires sanding if overcoated later than 24 hours. Can be walked on after 6 hours. The product is fully hardened after 5-7 days.

**Note:** Good ventilation and the correct humidity are prerequisites to achieve the above drying times. Do not cover or wash within first 24 hours of curing.

### CLEANUP & SAFETY

**Cleanup** | Clean tools immediately after use with acetone, MEK, or mineral spirits.

**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

**Packaging** | **Single Pack**  
Carbocrete Fill Base A - 0.53 gal (2 liters)  
Carbocrete Fill Hardener B - 0.56 gal (2.1 liters)  
Carbocrete Filler C - 35 lb (15.9 kg) bag

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## PACKAGING, HANDLING & STORAGE

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<b>Shelf Life</b>	Part A: 12 months Part B: 12 months Filler C: 12 months
	In unopened container

<b>Storage Temperature &amp; Humidity</b>	Store between 50-90 °F (10 - 32 °C) Protect from frost.
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<b>Shipping Weight (Approximate)</b>	Approx. 80 lbs (36.3 kg)
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<b>Flash Point (Setaflash)</b>	Part A: >200 °F (93 °C) Part B: 351 °F (177 °C)
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## 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.