



## Installation Guideline

## MiraTop UCS (Urethane Cement Sealer) Direct-to-Concrete Coating

Step #	Installation Step	Installation Methods	Products & Mix Ratios	Theoretical Coverage Rates
1	<p style="text-align: center;"><b>Mechanically Prepare Concrete Substrate</b></p> <p><b>Note:</b> Minimum (CSP) concrete surface profile of CSP-2 to CSP-3 is required depending on substrate conditions and coating requirements.</p>	a. Sandblasting or b. Shotblasting or c. Diamond grinding or d. Other similar and approved mechanical methods.	<p><b>MiraTop UCS</b> must be applied to a clean, sound and mechanically prepared concrete substrate, as per published ICRI Technical Guideline per ICRI's Technical Guideline No. 310.2R-2013, "<i>Selecting and Specifying Concrete Surface Preparation</i>". Concrete substrate should saturated surface dry (<b>SSD</b>) at the time of application.</p>	N/A
2	<p style="text-align: center;"><b>Install MiraFlor CB Kit (optional as required)</b></p> <p><b>Note:</b> When any flooring project includes the installation of a cove base it is best practice to always install the cove base prior to the horizontal flooring application.</p>	a. Radius cove trowel	<b>Consult appropriate Installation Guide (IG)</b>	
3	<p style="text-align: center;"><b>Apply One Coat of MiraTop UCS</b></p> <p><b>Note:</b> For enhanced slip resistance, broadcast fine aggregate may be used at a rate of .5 lbs. per 100SF prior to backrolling. Depending on service conditions and requirements, a variety fine aggregate types and grades may be utilized.</p>	a. Notched squeegee or magic trowel & lightly backroll b. Spread ribbons and roll	<p><b>Blend: MiraTop UCS Liquid with MiraTop UCS Powder</b></p> <p><b>Mix Ratio:</b> A:B:C = 1:1:1 by Unit</p> <p>2 Gal. Kit MiraTop UCS Liquid to (1) 10 lb. bag MiraTop UCS powder</p> <p><b>Step 1: Add Powder (C) into Liquid (A) Component and mix for 60 seconds</b></p> <p><b>Step 2: Add Liquid (B) into mixed (A) &amp; (C) and mix for 90 more seconds</b></p> <p><b>Working Time - 20 minutes    Cure Time - 6 hours    Recoat Time - 6 to 24 hours</b></p>	230 SF @ 16 mils wft
4	<p style="text-align: center;"><b>Apply Second MiraTop UCS Optional</b></p> <p><b>Note:</b> Although a second coat is strictly optional, it is highly recommended for maximum protection and service life.</p>	a. Notched squeegee or magic trowel & lightly backroll b. Spread ribbons and roll	<b>Same as Above</b>	<b>Same as Above</b>

**Note:** Prior to starting the application of any Miracote Product or System be sure to read the Installation Guide(s), Product Data Sheets, MSDS and other pertinent documents published by Crossfield Product Corp. for information, including but not limited to, Precautions, Limitations, Disclaimers and Warranties.

Pay special attention to substrate moisture content, physical condition of the substrate, method(s) of surface preparation, surface restoration, detailing of cracks, joints, transitions and terminations and any applicable specifications. Review carefully for unknown site conditions or defects.

The theoretical coverage rates stated in the Installation Guides are for estimating purposes only. Factors such allowance for material waste, or abnormal substrate conditions and other unforeseen job site conditions that may affect product yields are the responsibility of the installer. Pot life, cure and recoat times are based on medium temperatures and relative humidity.

To facilitate proper product application, curing and performance ensure environmental conditions are in complete accordance with the following requirements and ranges:

**Ambient Temperature:** Minimum 45° F/Maximum 90° F    **Substrate Temperature:** Minimum 55° F/Maximum 90° F    **Material Temperature:** Minimum 60° F/Maximum 85° F  
**Relative Humidity:** Minimum 25% RH/Maximum 85% RH    **Wind Velocity:** Minimum 0 mph/Maximum 30 mph

Maintain a daily job site log of all the above environmental conditions at different times of the day. If conditions fall outside range of parameters do not proceed or halt work.

