

Installation Guideline

MiraTop TG (Trowel-grade) Urethane Cement Mortar

Step #	Installation Step	Installation Methods	Products & Mix Ratios	Theoretical Coverage Rates
1	<p>Mechanically Prepare Concrete Substrate</p> <p>Note: Minimum (CSP) concrete surface profile of CSP-2 to CSP-3 is required depending on substrate conditions and coating requirements.</p>	<p>a. Sandblasting or b. Shotblasting or c. Diamond grinding or d. Other similar and approved mechanical methods.</p>	<p>MiraTop TG 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, "Selecting and Specifying Concrete Surface Preparation". Concrete substrate should dry at the time of application.</p>	N/A
2	<p>Install MiraFlor CB (cove base)</p> <p>Note: 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>	<p>a. Radius cove trowel</p>	<p>Consult Appropriate Installation Guide (IG)</p>	
3	<p>Apply MiraPrime ML (Optional only)</p> <p>Note: Prime coat is not normally required in most situations. Only consider using over relatively porous concrete surfaces. Complete Step 4 between 2 to 48 hours of cure time.</p>	<p>a. Pour ribbons & backroll b. Squeegee & backroll</p>	<p>Blend: MiraPrime ML Component A with Component B</p> <p>Mix Ratio: 2A : 1B</p> <p>Work Time - 45 minutes Cure Time - 2 hours Recoat Time - 2 to 48 hours</p>	<p>300 - 400 SF</p> <p>Note: Coverage rate is dependent on the porosity of the substrate.</p>
4	<p>Trowel Apply MiraTop TG</p> <p>Note: 1 To avoid lifting or delamination due to shrinkage, sawcut 5/16" wide by 5/16" deep (7.9 x 7.9mm) keyways at all terminations, joints, columns, drains and doorways.</p> <p>Note: 2 Avoid the application of MiraTop cementitious urethanes when ambient and substrate temperatures are elevated. Attempt to schedule work within environmental conditions noted below.</p>	<p>a. Hand Trowel or b. Power Trowel</p> <p>Note: Immediately backroll lightly after placement.</p>	<p>Blend: MiraTop TG Components</p> <p>Mix Ratio: 1A:1B:1C per Kit (Do Not Split)</p> <p>Add Component C into Component A - Mix for 60 seconds Add Component B into mixed A/C - Mix for 90 seconds</p> <p>Consult Appropriate Product Technical Data Sheet (PTDS)</p> <p>Work Time - 20 minutes Cure Time - 6 hours Recoat Time - 6 to 48 hours</p>	<p>21 SF @ 1/4"</p> <p>14 SF @ 3/8"</p> <p>Note: Applied coverage rate is dependent on the profile of the concrete substrate.</p>

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.

