



Installation Guideline

MiraPatch RM 3000 Concrete Substrates Only

Step #	Installation Steps	Installation Methods	Products & Mix Ratios	Theoretical Coverage Rates
1	<p style="text-align: center;">Surface Preparation</p> <p style="text-align: center;">Presaturate the Concrete Substrate</p> <p>Note: Minimum (CSP) concrete surface profile of CSP-3 to 5 is required depending on substrate conditions & bonding requirements.</p>	a. Water-blasting or b. Shotblasting or c. Diamond grinding or d. Other similar and approved mechanical methods. e. Saturate with potable water	<p><i>MiraPatch RM 3000</i> must be applied to a clean, sound and properly prepared substrate, as per ICRI's Technical Guideline No.310.2-2013, <i>Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings and Polymer Overlays and Concrete Repair</i>. Concrete should be (SSD) saturated surface dry with no standing water at the time of application.</p>	N/A
2	Pre-saturate Concrete Substrate	a. Hose and potable water b. Hudson type sprayer c. Powerwasher (low psi)	Potable Water Only	As required for saturation
3	<p style="text-align: center;">Trowel Apply and Finish MiraPatch RM 3000</p> <p style="text-align: center;">1/8" to 1"</p> <p>Note: To ensure 100% intimate contact and maximum adhesion, scrub coat <i>MiraPatch RM 3000</i> into the substrate to fill all pores and voids. Then immediately trowel and finish from center to edges.</p>	a. Hand Trowel or b. Screed c. Form and place	<p>Blend: <i>MiraPatch RM 3000</i> with Potable Water Mix Ratio: (1) 50 LB Bag to 3 Quarts</p> <p>Pour 2.75 quarts of water into mixing vessel. Add powder and mix continuously with a low speed drill (400-600 rpm) and mortar paddle to a uniform consistency for maximum 3 minutes. Add remaining water as needed to achieve desired repair mortar consistency.</p>	<p>Yield: .48 CF/Unit</p> <p>Covers: 46.6 SF @ 1/8" 23.3 SF @ 1/4" 11.6 SF @ 1/2" 4.8 SF @ 1"</p>
4	<p style="text-align: center;">Depths 1" and Greater</p> <p style="text-align: center;">Trowel Apply and Finish MiraPatch RM 3000</p> <p style="text-align: center;">Extended with Aggregate</p> <p>Note: Aggregates must be uniform in size, washed clean, and can be prepackaged or in bulk. As per ACI Guidelines, aggregate size should not be greater than 1/3 of placement depth.</p>	a. Hand Trowel or b. Screed c. Form and place	<p>Blend: <i>MiraPatch RM 3000</i> with Potable Water Mix Ratio: (1) 50 LB Bag to 3 Quarts</p> <p>Extend: With 20 LBS of washed 3/8" Pea Gravel (> 1" depth)</p> <p>Note: Always pre-saturate aggregate prior to extending into the <i>MiraPatch RM 3000</i>. Extend at the last 30 seconds of mixing.</p>	<p>Yield: .58 CF/Unit</p> <p>Covers: 6.0 SF @ 1" 5.5 SF @ 1.25" 4.5 SF @ 1.5" 3.0 SF @ 2"</p>

Note: Prior to starting the application of any Miracote Product or System be sure to read the Installation Guide(s), Product Technical 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 as, allowance for material waste, unusual or abnormal substrate conditions and other unforeseen job site conditions that may affect actual product yields are the responsibility of the installer.

