



Installation Guideline

Repair Mortar I (RM I) Trowel Grade - 3" to Featheredge Concrete Substrates Only

Step #	Installation Steps	Installation Methods	Products & Mix Ratios	Theoretical Coverage Rates
1	<p style="text-align: center;">Mechanically Prepare and Presaturate the Concrete Substrate</p> <p>Note: Minimum (CSP) concrete surface profile of CSP-4 or higher is required depending on substrate conditions & coating requirements.</p>	a. Sandblasting or b. Shotblasting or c. Diamond grinding or d. Other similar and approved mechanical methods. e. Saturate with potable water	Miracote RM I Repair Mortar must be applied to a clean, sound, and mechanically prepared concrete substrate, as per ICRI's Technical Guideline No.03732, " <i>Selecting and Specifying Concrete Surface Preparation</i> ". Concrete substrate should be (SSD) Saturated Surface Dry with no standing water at the time of application.	N/A
2	Prime Concrete Substrate	a. Dip and Roll or b. Spray and broom or c. Spray and backroll or d. Hudson-type spray alone	MPC Liquid Catalyst Dilute 1:1 Potable Water	500 SF/Gal
3	<p style="text-align: center;">Trowel Apply and Finish RM I Feather to 3"</p> <p>Note: For best results, before placement of the RM I mortar a scrub coat can be applied into the primed substrate while still wet. RM I must be placed before scrub coat dries.</p>	a. Hand Trowel or b. Screed	Blend: RM I Liquid and RM I Powder Mix Ratio: 1 Gal. Liquid to (1) 75 LB Bag	Yield: .60 CF/Unit Covers: 57.7 SF @ 1/8" 28.8 SF @ 1/4" 14.4 SF @ 1/2" 7.2 SF @ 1" 3.6 SF @ 2" 2.4 SF @ 3"
4	<p style="text-align: center;">Depths 3/4" and Greater Trowel Apply and Finish RM I Extended with Aggregate</p> <p>Note: Aggregates must be uniform in size, washed, clean, and can be in bags or bulk. As per ACI Guidelines, aggregate size should not be greater than 1/3 of placement depth.</p>	a. Hand Trowel or b. Screed	Blend: RM I Liquid and RM I Powder Mix Ratio: 1 Gal. Liquid to (1) 75 LB Bag Extend: With 20 LBS of 1/4" Pea Gravel or Extend: With 20 LBS of 3/8" Pea Gravel (> 1" depth) Note: Pre-saturate aggregates prior to mixing into RM I	Yield: .70 CF/Unit Covers: 11.2 SF @ 3/4" 8.4 SF @ 1" 6.3 SF @ 1.5" 4.2 SF @ 2" 3.5 SF @ 2.5" 2.8 SF @ 3"

Note: Prior to starting the application of any Miracote Product or System be sure to read the Installation Guideline Manual. Appendices, 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 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.