



Step #	Installation Step	Installation Methods	Products & Mix Ratios	Theoretical Coverage Rates
1	Mechanically Prepare Substrate Note: Minimum (CSP) concrete surface profile of CSP-4 or higher is required depending on substrate conditions & coating requirements.	a. Sandblasting or b. Shotblasting or c. Diamond grinding or d. Other similar and approved mechanical methods.	Miracote CQ Matrix Epoxy Flooring Systems must be applied to a clean, sound, and mechanically prepared concrete substrate, as per ICRI's Technical Guideline No.03732, "Selecting and Specifying Concrete Surface Preparation." Concrete surface must be dry at the time of application.	N/A
2	Prime Substrate with CQ Epoxy Primer Note: To improve the trowelability of the epoxy mortar, lightly seed 50-60% of the wet primer surface with a 20x30 mesh sand to create some friction that helps the trowelling process.	a. Squeegee and Backroll	Blend CQ Matrix Clear Mix Ratio A:B = 2:1 by Volume	200-250 SF/Gal 6.4 to 8.0 mils WFT
3	Apply CQ Matrix Trowel-grade Mortar at Thickness of 3/16" Note: Mix and apply trowel-grade epoxy mortar within 24 hrs of the primer application. Allow primer to reach initial set before troweling.	a. Hand trowel or b. Power trowel Trowel Blades Must Be Stainless Steel or Acrylic To Prevent Burnishing	Blend CQ Matrix Clear Mix Ratio A:B = 2:1 by Volume Extend Mixed CQ Matrix Resin with Miracote Colored Quartz Aggregate One (1) Bag = 50 LBS Mix Ratio of CQ Matrix to Aggregate = 3 Gal Unit to 170 LBS	120 SF/Unit @ 3/16"
	Optional - Addition of Glass Beads to Enhance Trowelability	Note: Keep trowel surfaces slick and clean to avoid drag.	Miracote BT Solid Glass Beads Add Max. of 4 LBS/3 Gal Unit of CQ Matrix Resin	
4a	Apply CQ Matrix Grout Coat	a. Squeegee or b. Non-porous rubber float	Blend CQ Matrix Clear Mix Ratio A:B = 2:1 by Volume	60-80 SF/Gal
4b	Optional - Apply Second Grout Coat if Required Note: The need for a 2nd grout coat will depend on surface porosity and epoxy consumption.	a. Squeegee or b. Non-porous rubber float	Blend CQ Matrix Clear Mix Ratio A:B = 2:1 by Volume	150-200 SF/Gal
5	Optional - Lightly Sand & Tack Wipe	Lightly sand and tack wipe the grout coat if cure time exceeds 24 hours @ 75F before application of the Clear Finish Coats.		
Choose any of the Miracote sealers or topcoats for best results depending on location, service, use and exposure. Refer to the Product Technical Data Sheets and Installation Guides for Miracote CQ Clear Epoxy, Mirathane WB, Mirathane APU 100, or Glazetop.				
6	Optional Addition of Synthetic Aggregate for Skid Resistance		Miracote Synthetic Skid Resistance Aggregate Add Maximum 4 Ounces/Gal to Any of the Above Finish Coats	4 fl oz

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.