



Installation Guideline

MiraFlex II - System X for Concrete Substrates Per ICC ESR-1714

Step #	Installation Step	Installation Methods	Products & Mix Ratios	Theoretical Coverage Rates
1	<p style="text-align: center;">Mechanically Prepare Substrate</p> <p>Note: Minimum (CSP) concrete surface profile of CSP-4 or higher is required depending on existing substrate conditions & overlayment requirements.</p>		MiraFlex II - System X and MiraStamp must be applied to a clean, sound, and mechanically prepared concrete substrate, as per ICRI's Tech Guide No.03732, "Selecting and Specifying Concrete Surface Preparation".	N/A
2	<p style="text-align: center;">Prime Concrete with MiraFlex Membrane A</p>	a. Dip and Roll	<p>Blend: MiraFlex Membrane A and Potable Water</p> <p>Mix Ratio: MiraFlex Membrane A:Water = 1:1</p>	400 SF/Gal 4 mils WFT 1 mil DFT
3	<p style="text-align: center;">Apply 1st Coat of MiraFlex Membrane A</p> <p>Note 1: During application of MiraFlex Membrane A, the use of a mil gauge is necessary to verify correct WFT.</p> <p>Note 2: When the 1st Coat of MiraFlex Membrane A is dry to the touch, apply the 2nd coat within 24 hours.</p>	a. Notched Squeegee/Trowel and Lightly Backroll b. Dip and Roll	<p>MiraFlex Membrane A Neat (Single Component)</p>	64 SF/Gal 25 mils WFT 12.5 mils DFT
4	<p style="text-align: center;">Apply 2nd Coat of MiraFlex Membrane A</p> <p>Note 1: Apply the second membrane coat @ right angles to the first membrane coat.</p> <p>Note 2: Exercise caution before proceeding to Step #4. MiraFlex Membrane A must be dry, clean and free of surface contaminants that may effect adhesion.</p>	a. Notched Squeegee/Trowel and Lightly Backroll b. Dip and Roll	<p>MiraFlex Membrane A Neat (Single Component)</p>	64 SF/Gal 25 mils WFT 12.5 mils DFT
5	<p style="text-align: center;">Apply Miracote MPC Slurry Coat</p>	a. Hand Trowel or b. Magic trowel or c. Squeegee or d. Broom or	<p>Blend: Miracote MPC Liquid Catalyst and Miracote MPC Powder</p> <p>Mix Ratio: 5 Gal Miracote MPC Liquid Catalyst to (2) 55 LB Bags</p> <p>Note: Climatic conditions that are associated with high rates of evaporation can decrease Miracote MPC working time. Add 1 unit of Miracote Retarder to increase valuable working time.</p>	500 SF/Unit
6	<p style="text-align: center;">Install MiraStamp Overlay</p> <p>Note: ColorPax-LIP (Liquid Integral Pigment) packs must be dispensed and mixed into the 5 Gal pail of MiraStamp Liquid.</p>	a. Gauge Rake and b. Fresno trowel c. Hand-trowel in tight areas	<p>Blend: ColorPax LIP + MiraStamp Liquid + MiraStamp Powder</p> <p>Mix Ratio :</p> <ul style="list-style-type: none"> (1) ColorPax LIP Container to (1) 5 Gal Pail MiraStamp Liquid to (5) 45 LB Bags MiraStamp Powder 	<p>Yield: 1.85 CF/Unit</p> <p>Covers:</p> <ul style="list-style-type: none"> 89.0 SF @ 1/4" 67.0 SF @ 3/8" 44.5 SF @ 1/2" 33.4 SF @ 5/8"



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7	Apply MiraStamp Liquid Release Agent Note: Apply MLR liquid release agent to the surface of both the MiraStamp overlay and stamping tools.	a. Hudson-type sprayer	MiraStamp MLR (Liquid Release Agent) (Single Component)	500 SF/Gal
8	Stamp Impression into MiraStamp Overlay	Use conventional concrete stamping tools and methods for creating stamped impression in MiraStamp Overlay		
9	Optional - Apply Accent Color Staining Note: Staining and antiquing are the artistic expressions of the individual installer. Pre-job mock-up samples should be submitted first for review and approval by the owner.	a. Hudson-type sprayer or b. Airless Sprayer or c. Sponge or d. Soft cloth or e. Other methods, as desired	Blend: Miracote Mirastain with ColorPax-LIP Mix Ratio: 5 Gal of Miracote Mirastain to 1 QT ColorPax-LIP Note: ColorPax-LIP pigment load may be reduced as desired, but must not exceed stated mix ratio.	Coverage depends on desired surface texture and profile, and architectural color accents.
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 MiraGard HDWB, MiraGard HD 400, MiraGard HD 100 or MiraThane WB.				

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 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.