Installation Guideline

Miracote MiraFlex XL - Pedestrian Waterproofing System over Concrete

Step #	Installation Step	Installation Methods	Products & Mix Ratios	Theoretical Coverage Rates
1	**Mechanically Prepare Concrete Substrate** **Note:** Minimum **(CSP)** concrete surface profile of CSP-3 or higher is required depending on substrate conditions, vehicular traffic exposure and protective coating requirements.	a. Shotblasting or b. Sandblasting or c. Other similar and approved mechanical methods.	**Miracote MiraFlex XL System** must be applied to a clean, sound, and mechanically prepared concrete surface in accordance with ICRI's Technical Guide No.03732, *"Selecting and Specifying Concrete Surface Preparation…."*. Concrete substrate can be **(SSD) Saturated Surface Dry** with no standing water at the time of application.	N/A
2	**Prime Metal Flashing with MiraFlex Membrane B**	a. Brush or b. Roll	**MiraFlex Membrane B** (Single Component)	400 Ln Ft per gallon
Treatment of Cracks and Cold Joints				
3	**Cracks and Cold Joints - 1/16" and Greater** **3a - Rout & Seal with Polyurethane Sealant** **3b - Apply 1 coat of MiraFlex Membrane C into Poly Fabric Ultra - feather edges** **Note 1:** Rout cracks to create a 3/8" slot, and seal with polyurethane sealant, as per manufacturer recommendations. Broadcast sand into tacky sealant to refusal. **Note 2:** Embed MiraFlex Membrane C into 6" Poly Fabric- Ultra over cracks 24 hours after urethane.	a. Medium Nap Roller b. Brush c. Trowel	**Blend:** MiraFlex Membrane C Liquid and MiraFlex Membrane C Powder **Mix Ratio:** MiraFlex Membrane C Liquid - (1) 2 Gal.Pail MiraFlex Membrane C Powder - (1) 43 lb bag = 1 Unit **Miracote Poly Fabric Reinforcement:** Apply a 15 mil WFT Scrub Coat of mixed MiraFlex Membrane C onto the concrete surface, and immediately embed Miracote Poly Fabric Ultra along with another 15 mils WFT of MiraFlex Membrane C, encapsulating the fabric.	256 lineal feet per Unit
Waterproofing Application				
4	**Mix and Apply MiraFlex Membrane C** **First Coat** 30 mils WFT (Approx. 1/32")	a. Trowel or b. Squeegee or c. Dip-N-Roll	**Blend:** MiraFlex Membrane C Liquid and MiraFlex Membrane C Powder **Mix Ratio:** MiraFlex Membrane C Liquid - (1) 2 Gal.Pail MiraFlex Membrane C Powder - (1) 43 lb bag = 1 Unit **Miracote Poly Fabric Reinforcement:** Apply a 30 mil WFT Scrub Coat of mixed MiraFlex Membrane C onto the concrete surface, and immediately embed Miracote Poly Fabric	**Yield:** **160 sq. ft/Unit** **Application Thickness:** 30 mils WFT (Approx. 1/32")
5	**Mix and Apply MiraFlex Membrane C** **Second Coat** **Embedded into Poly Fabric Reinforcement** 30 mils WFT (Approx. 1/32")	a. Trowel or b. Squeegee or c. Dip-N-Roll	**Blend:** MiraFlex Membrane C Liquid and MiraFlex Membrane C Powder **Mix Ratio:** MiraFlex Membrane C Liquid - (1) 2 Gal.Pail MiraFlex Membrane C Powder - (1) 43 lb bag = 1 Unit	**Yield:** **124 sq. ft/Unit** **Application Thickness:** 45 mils WFT (Approx. 1/16")

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Application of Protection Coats				
6	**Apply 1st Coat - Miracote MPC Regular**	a. Hand Trowel or b. Magic trowel or c. Squeegee	**Blend:** Miracote MPC Liquid Catalyst and MPC Powder **Mix Ratio: 5 Gal Miracote MPC Liquid Catalyst to (2) 55# Bags** **Note:** Climatic conditions that are associated with high rates of evaporation can decrease MPC working time. Add 1 unit of Miracote Retarder to increase valuable working time when these conditions are present or anticipated. ***Mix Option 1 (Not Pigmented)*** Mix Gray or White Regular MPC ***Mix Option 2 (Pigmented)*** Mix Gray or White Regular MPC with (1) ColorPax-LIP Unit	500 SF/Unit 30 mils +/-
7	**Apply 2nd Coat - Miracote MPC Regular** **Note:** Refer to the appropriate MPC Installation Guideline for the desired final finish or texture, i.e. Knockdown, Broom, Stipple, Stencil/Tape Pattern.	a. Hand Trowel or b. Magic trowel or c. Squeegee or d. Hopper Gun or e. Similar spray method (Low Pressure 8 -15 psi)	Same as Above	Same as above **Note:** MPC coverage can vary depending on the desired texture of finish, and the profile or condition of the existing concrete substrate.
8	**Apply 2 Top Coats of MiraGard Colorbond XL (Required for Specification Compliance)**	a. Dip and Roll or b. Airless Spray	**MiraGard Colorbond XL** Single Component	250 - 300 SF/Gal **Note:** MiraGard Colorbond XL overage rate can vary depending on the desired texture of finish.
Apply Clear Sealer Coats - Optional when MiraGard Colorbond XL is Used				
9	**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 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.

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