



Installation Guideline

MiraFlex BRF Boiler Room Flooring System Fabric Reinforced

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 & coating requirements.	a. Shotblasting or b. Sandblasting or c. Diamond grinding or d. Other similar and approved mechanical methods.	MiraFlex BRF (Boiler Room Flooring) must be applied to a clean, sound, and mechanically prepared concrete surface in accordance with ICRI's Technical Guide No.310.2-1997, " <i>Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings and Polymer Overlays</i> ".	N/A
Treatment of Cracks, Cold Joints and Floor Transitions				
2a	Cracks and Cold Joints - Less Than 1/16" Apply 2 Coats of Membrane A Note: For more specific details, refer to the Installation Guideline for Membrane A.	a. Medium Nap Roller b. Brush	MiraFlex Membrane A <i>(Pre-mix Membrane A with drill and paddle prior to use)</i> Note: Apply each coat of Membrane A at a rate of 64 SF/Gal, and center over the crack/joint at a minimum width of 2".	32 SF/Gal
2b	Cracks and Cold Joints - 1/16" and Greater 2b.1 - Rout & Seal with PU Sealant 2b.2 - Apply 2 Coats of Membrane A Note: Tool sealant flush and immediately cast dry fine sand into wet sealant. Let sealant cure to tack free before installing Membrane A.	a. Medium Nap Roller b. Brush	MiraFlex Membrane A <i>(Pre-mix Membrane A with drill and paddle prior to use)</i> Note: Apply 2 coats Membrane A, as detailed above.	32 SF/Gal
2c	Vertical Transitions and Penetrations 2c - Install Cant Bead of PU Sealant Note: Refer to note in 2b.	a. Per sealant manufacturer	One or Two Component Polyurethane <i>(As per sealant manufacturers recommendations)</i>	
MiraFlex BRF System Application - Waterproofing Membrane Layer				
3	Prime with Diluted MiraFlex Membrane A Note: Concrete substrate may be damp or dry at the time of application.	a. Dip and Roll	MiraFlex Membrane A (diluted) Mix Ratio: 1 to 1 with potable water <i>(Mix Membrane A and potable water with drill and paddle)</i>	400 SF/Gal 4 mils WFT 1 mil DFT
4	Apply 1st Coat of MiraFlex Membrane A (Allow primer to dry and apply within 8 hours) Note: Frequently verify the correct wet film thickness of the MiraFlex Membrane A during application with the use of a wet mil gauge.	a. Notched Squeegee/Trowel and lightly back roll or b. Dip and Roll	MiraFlex Membrane A - Neat Single Component <i>(Pre-mix Membrane A with drill and paddle prior to use)</i>	64 SF/Gal 25 mils WFT 12.5 mils DFT



Step #	Installation Step	Installation Methods	Products & Mix Ratios	Theoretical Coverage Rates
MiraFlex BRF System Application - Waterproofing Membrane Layer (continued)				
5a	<p>Roll Out and Embed Fabric Reinforcement (Allow 1st Membrane coat to become firm yet remain tacky before placing fabric, 2 - 4 hours)</p> <p>Note: Poly fabric reinforcement has one side that is smooth and the other fleecy. Place the poly fabric with the fleece side down.</p>	a. Roll fabric out by hand and smooth in with pool trowel.	<p>Miracote Poly Fabric 40" by 300 LF Roll</p> <p>Note: Butt joint transverse and longitudinal seams formed by adjacent rolls of poly fabric reinforcement.</p>	1,000 SF/Roll
5b	<p>Apply 2nd Coat of MiraFlex Membrane A (Apply immediately after placement of fabric)</p> <p>Note: Apply 2nd coat of MiraFlex Membrane A in the opposite direction of the 1st coat.</p>	<p>a. Notched Squeegee/Trowel and lightly back roll or</p> <p>b. Dip and Roll</p>	<p>MiraFlex Membrane A - Neat Single Component</p> <p><i>(Pre-mix Membrane A with drill and paddle prior to use)</i></p>	<p>50 SF/Gal 32 mils WFT 16 mils DFT</p>
MiraFlex BRF System Application - Wear Course Topping and Finish Coat				
6	<p>Apply RM III Wear Course Topping (Allow 2nd coat of MiraFlex Membrane A to dry and apply RM III wear course within 24 hours)</p>	a. Trowel and finish	<p>MiraPatch RM III Blend: MiraPatch RM III Liquid and MiraPatch RM III Powder Mix Ratio: 1 Gal. RM III Liquid to (1) 36 LB Bag RM III Powder</p>	<p>Yield: .35 CF/Unit Covers: 67.2 SF @ 3/32" 33.6 SF @ 1/8"</p>
7	<p>Apply 2 Coats of MiraGard Colorbond XL</p> <p>Note: Two coats are recommended for best results. Apply 2nd coat in opposite direction.</p>	<p>a. Dip and Roll</p> <p>b. Airless Spray</p>	<p>MiraGard Colorbond XL Single Component</p> <p><i>(Mix Colorbond XL with drill & paddle before and during use)</i></p>	250 - 300 SF/Gal

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.