



## Installation Guideline

## MiraFlex III Hybrid Pedestrian Deck System For Over Concrete

Step #	Installation Step	Installation Methods	Products & Mix Ratios	Theoretical Coverage Rates
1	<p style="text-align: center;"><b>Mechanically Prepare Concrete Substrate</b></p> <p><b>Note:</b> Minimum (CSP) concrete surface profile of CSP-3 or higher is required depending on substrate conditions, vehicular traffic exposure and protective coating requirements.</p>	a. Shotblasting or b. Sandblasting or c. Other similar and approved mechanical methods.	<p><b>MiraFlex III Hybrid Pedestrian Deck System</b> must be applied to a clean, sound and mechanically prepared concrete substrate in accordance with ICRI Technical Guideline No.310.2R-2013, "<i>Selecting and Specifying Concrete Surface Preparation...</i>". Concrete substrate should be <b>(SSD) Saturated Surface Dry</b> with no standing water at the time of application.</p>	N/A
1.1	<b>Optional - Apply MiraPrime Aqua-Blok XL. (Recommended to mitigate corrosion of embedded steel and potential for efflorescence migration, apply in accordance with applicable PTDS and IG's.)</b>			
<b>Treatment of Cracks and Cold Joints</b>				
2	<p style="text-align: center;"><b>Cracks and Cold Joints - Less Than 1/16"</b>  <b>Apply 2 Coats of MiraFlex Liquid Membrane Reinforced with Poly Fabric Ultra</b></p> <p><b>Note 1:</b> Liquid Membrane does not require priming. Consult Installation Guide for additional details.  <b>Note 2:</b> Apply MiraFlex Liquid Membrane detail coat over cracks and cold joints a minimum 4" on each side.</p>	a. Medium Nap Roller b. Brush	<p style="text-align: center;"><b>MiraFlex Liquid Membrane</b> Single Component</p> <p><b><u>MiraFlex Liquid Membrane with Poly Fabric Ultra Reinforcement:</u></b>            Apply a 25 mil by 7-9" wide detail coat of MiraFlex Liquid Membrane centered over unrouted cracks, and cold joints. Immediately embed Miracote Poly Fabric Ultra. Once embedded apply an additional 25 mil coat of Liquid Membrane, wet on wet, to encapsulate fabric. Use caution to avoid wrinkles.</p>	64 SF/Gal per Coat
3	<p style="text-align: center;"><b>Cracks and Cold Joints - 1/16" and Greater</b>  <b>3a - Rout &amp; Seal with MiraFlex Hybrid Sealant</b>  <b>3b - Apply 2 Coats of MiraFlex Liquid Membrane Reinforced with Poly Fabric Ultra</b></p> <p><b>Note 1:</b> Rout cracks to create a 3/8" slot, and seal with polyether sealant, as per manufacturer's recommendations. Seed with silica sand, as required.  <b>Note 2:</b> Apply 2 coats MiraFlex Liquid Membrane with fabric reinforcement, as detailed in Step 2 above.</p>	a. Medium Nap Roller b. Brush	<p style="text-align: center;"><b>MiraFlex Liquid Membrane</b> Single Component</p> <p><b><u>MiraFlex Liquid Membrane with Poly Fabric Ultra Reinforcement:</u></b> Repeat as detailed above.</p> <p><b>Note:</b> Detail all transitions and changes of plane in the same manner.</p>	64 SF/Gal per Coat
<b>MiraFlex III Hybrid Pedestrian Deck System Application</b>				
4	<p style="text-align: center;"><b>Apply 1st Coat of MiraFlex Liquid Membrane</b></p> <p><b>Note 1:</b> During application of Liquid Membrane, the use of a mil gauge is necessary to verify correct WFT.  <b>Note 2:</b> When the Liquid Membrane is dry to the touch, apply a 2nd coat of Liquid Membrane within 24 hours.</p>	a. Notched Squeegee/Trowel and Lightly Backroll b. Dip and Roll	<p style="text-align: center;">MiraFlex Liquid Membrane (Single Component)</p>	64 SF/Gal 25 mils WFT 12.5 mils DFT
5	<p style="text-align: center;"><b>Apply 2nd Coat of MiraFlex Liquid Membrane</b></p> <p><b>Note 1:</b> During application of Liquid Membrane, the use of a mil gauge is necessary to verify correct WFT.  <b>Note 2:</b> When the Liquid Membrane is dry to the touch, apply the 1st coat of Miracote MPC within 24 hours.</p>	a. Notched Squeegee/Trowel and Lightly Backroll b. Dip and Roll	<p style="text-align: center;">MiraFlex Liquid Membrane (Single Component)</p>	64 SF/Gal 25 mils WFT 12.5 mils DFT



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6	<b>Apply 1st Miracote MPC Regular Coat</b>  <b>Note 1:</b> ColorPax LIP (Liquid Integral Pigment) packs must be dispensed and mixed into the 5 Gal pail of MPC Liquid Catalyst. 1 LIP per 5-Gal pail. <b>Note 2:</b> Color-Pax LIP pigmented MPC colors are based on use with White powder. The use of Gray powder will produce a different color.	a. Hand Trowel or b. Magic trowel or c. Squeegee or d. Hopper Gun or e. Similar spray method (Low Pressure 8 -15 psi)  <b>Note:</b> Recommended nozzle tip size of 8mm or 1/4"	<b>Blend:</b> MPC Liquid Catalyst and MPC Regular Powder	500 SF/Unit  <b>Note:</b> MPC coverage may vary depending on the desired texture of finish, and the profile or condition of the existing concrete substrate.
			<b>Mix Ratio:</b> 5 Gal MPC Liquid Catalyst to (2) 55 LB Bags	
			<b>Note:</b> Climatic conditions that are associated with high rates of evaporation can decrease MPC working time. Add 1 unit of Miracote Set Retarder to to increase valuable working time when these conditions are present.	
			<b>Mix Option 1 (Not Pigmented)</b> Mix MPC Natural Regular Powder	
			<b>Mix Option 2 (Pigmented)</b> Mix MPC White Regular Powder with pigmented MPC Liquid Catalyst	
7	<b>Apply 2nd Miracote MPC Regular Coat</b>  <b>Note 1:</b> ColorPax LIP (Liquid Integral Pigment) packs must be dispensed and mixed into the 5 Gal pail of MPC Liquid Catalyst. 1 LIP per 5-Gal pail. <b>Note 2:</b> Color-Pax LIP pigmented MPC colors are based on use with White powder. The use of Gray powder will produce a different color.	a. Hand Trowel or b. Magic trowel or c. Squeegee or d. Hopper Gun or e. Similar spray method (Low Pressure 8 -15 psi)  <b>Note:</b> Recommended nozzle tip size of 8mm or 1/4"	<b>Blend:</b> MPC Liquid Catalyst and MPC Regular Powder	500 SF/Unit  <b>Note:</b> MPC coverage may vary depending on the desired texture of finish, and the profile or condition of the existing concrete substrate.
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			<b>Mix Option 1 (Not Pigmented)</b> Mix MPC Natural Regular Powder	
			<b>Mix Option 2 (Pigmented)</b> Mix MPC White Regular Powder with pigmented MPC Liquid Catalyst	
<b>Optional: Application of Miracote Sealers and Topcoats</b>				
Option 1	<b>Apply Clear or Pigmented Acrylic Sealer 1 or 2 Coats</b>  <b>Note 1:</b> Two coats are recommended for the best cleanability and/or stain resistance.	a. Hudson-type sprayer or b. Roller, Applicator Pad or  <b>Warning:</b> Clear acrylic sealers must be applied in a thin film. Maintain stated coverage rates.	<b>MiraGard HDWB Sealer Clear, Gloss, Satin or Matte</b> or	300 - 400 SF/Gal
			<b>MiraGard HDWB Sealer pigmented, Gloss or Satin</b> or	300 - 350 SF/Gal
			<b>MiraGard Colorbond XL</b>	250 - 300 SF/Gal
Option 2	<b>Apply Polyurethane-based Topcoat 1 or 2 Coats</b>	a. Dip and Roll or b. Airless Spray	<b>MiraThane CRU Gloss or MiraThane CRU Matte</b>	320 - 500 SF/Gal

**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.