

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>Miracote MPC Park Deck Coating must be applied to a clean, sound and mechanically prepared concrete surface in accordance with ICRI Technical Guideline No.310.2R-2013, "Selecting and Specifying Concrete Surface Preparation..". 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 Membrane A Reinforced with Poly Fabric Ultra</b></p> <p><b>Note 1:</b> Membrane A requires priming. Consult Installation Guide for additional details.  <b>Note 2:</b> Apply MiraFlex Membrane A 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 Membrane A</b> Single Component</p> <p><b><u>MiraFlex Membrane A with Poly Fabric Ultra Reinforcement:</u></b>            Apply a 25 mil by 7" wide detail coat of MiraFlex Membrane A centered over unrouted cracks, and cold joints. Immediately embed Miracote Poly Fabric Ultra, and allow to dry. Apply an additional 25 mil coat of MiraFlex Membrane A to encapsulate fabric. Use caution to avoid wrinkles.</p>	32 SF/Gal				
3	<p style="text-align: center;"><b>Cracks and Cold Joints - 1/16" and Greater</b>  <b>3a - Rout &amp; Seal with CPC Polyether Sealant</b>  <b>3b - Apply 2 Coats of MiraFlex Membrane A 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.  <b>Note 2:</b> Apply 2 coats MiraFlex Membrane A, as detailed in Step 2 above.</p>	a. Medium Nap Roller b. Brush	<p style="text-align: center;"><b>MiraFlex Membrane A</b> Single Component</p> <p><b><u>MiraFlex Membrane A 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>	32 SF/Gal				
<b>Miracote MPC Park Deck Coating Application</b>								
<b>Note:</b>	<b>Miracote MPC Park Deck Coating is available in two basic colors, White and Natural (gray) cement. Due to the nature of natural (grey) cement, there may be slight to significant variations in the final color. For a wider range of colors and enhanced color consistency, Miracote MPC Park Deck Coating may be pigmented using the White cement regular powder component. For pigment, (2) units of ColorPax-LIP (Liquid Integral Pigment) packs must be dispensed and mixed into the 5 Gal. pail of the Miracote MPC Liquid Catalyst component. For projects of 10,000 SF or greater, factory pigmentation of the Liquid Catalyst component may be available. To enhance abrasion resistance the final coat of MPC can utilize MPC Hard powder which contains aluminum oxide.</b>							
4	<p style="text-align: center;"><b>Apply 1st Coat - Miracote MPC Regular</b></p> <p><b>Note:</b> Applicable on the first coat only, the concrete substrate must be <b>(SSD), Saturated Surface Dry</b>, with no standing water at the time of application.</p>	a. Notched Squeegee and backroll	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"><b>Blend:</b></td> <td><b>MPC Liquid Catalyst and MPC Regular Powder</b></td> </tr> <tr> <td><b>Mix Ratio:</b></td> <td>5 Gal. Miracote MPC Liquid Catalyst to (2) 55 LB Bags</td> </tr> </table> <p><b>Note:</b> Climatic conditions that are associated with high rates of evaporation can decrease Miracote MPC working time. Add 1 to 2 units of MPC Retarder increase valuable working time when conditions are present or anticipated.</p>	<b>Blend:</b>	<b>MPC Liquid Catalyst and MPC Regular Powder</b>	<b>Mix Ratio:</b>	5 Gal. Miracote MPC Liquid Catalyst to (2) 55 LB Bags	500 SF/Unit 30 mils +/-
<b>Blend:</b>	<b>MPC Liquid Catalyst and MPC Regular Powder</b>							
<b>Mix Ratio:</b>	5 Gal. Miracote MPC Liquid Catalyst to (2) 55 LB Bags							
5	<p style="text-align: center;"><b>Apply 2nd Coat - Miracote MPC Regular</b></p>	a. Notched Squeegee and backroll	Same as Above	Same as above				

Step #	Installation Step	Installation Methods	Products & Mix Ratios	Theoretical Coverage Rates
6	<b>Apply 3rd Coat - Miracote MPC Regular or Hard</b> Note: MPC Hard powder offers best abrasion resistance.	a. Notched Squeegee and backroll	Same as Above	Same as above
<b>Optional: Application of Miracote Sealers and Topcoats</b>				
<b>Note:</b>	<b>For enhanced cleanability and resistance to stains and tire marking, Miracote provides a broad range of clear or pigmented acrylic topcoats and sealers, clear or pigmented polyurethane topcoats, and siloxane-based, hydrophobic and oleophobic penetrating water repellent sealers that can be applied to the new Miracote MPC Park Deck Coating surface. Consult with your local Miracote representative for the best recommendation based on exposure conditions and specific requirements of the parking garage owner.</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>MiraGard HDWB Sealer Clear, Gloss, Satin or Matte</b> or <b>MiraGard HDWB Sealer pigmented, Gloss or Satin</b> or <b>MiraGard Colorbond XL</b>	300 - 400 SF/Gal  300 - 350 SF/Gal  250 - 300 SF/Gal
		<b>Warning:</b> Clear acrylic sealers must be applied in a thin film. Maintain stated coverage rates.		
Option 2	<b>Apply Siloxane-based Penetrating Sealer 1 or 2 Coats</b>	a. Hudson-type sprayer or b. Roller, Applicator Pad or	<b>MiraGard Drylook Sealer</b> or <b>MiraGard Enriching Sealer</b>	400 SF/Gal  400 SF/Gal
Option 3	<b>Apply Polyurethane-based Topcoat 1 or 2 Coats</b>	a. Dip and Roll or b. Airless Spray	Consult with Miracote for best recommendation	<b>Reduces moisture vapor permeability</b>

**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.

