



## Installation Guideline

## MiraThane 100CRU Clear or Pigmented Polyurethane Protective Coating

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 <b>CSP-2</b> to <b>CSP-4</b> is required depending on substrate conditions and coating requirements.</p>	a. Sandblasting or b. Shotblasting or c. Diamond grinding or d. Other similar and approved mechanical methods.	<p><b>MiraThane 100CRU</b> polyurethane finish coat must be applied to a clean, sound, and mechanically prepared concrete substrate, as per ICRI Technical Guideline No.310.2R-2013, <i>Selecting and Specifying Concrete Surface Preparation.</i> Concrete surface must be dry at the time of application.</p>	N/A
2	<p style="text-align: center;"><b>Prime Concrete Substrate</b>  <b>MiraFlor CQ (clear or pigmented)</b>            (when moisture mitigation is not required)</p> <p style="text-align: center;"><b>MiraPrime MVERS Plus</b>            (when moisture mitigation is required)</p> <p><b>Note:</b> New concrete surfaces must be fully cured and dry prior to the application of the primer.</p>	a. Dip and Roll b. Squeegee and backroll c. Brush for detail work	<p style="text-align: center;"><b>Blend MiraFlor CQ Clear or Pigmented</b>  <b>Mix Ratio:</b> A:B = 2:1 by Volume            MiraFlor CQ Kit Sizes: 3 Gal. and 15 Gal.</p> <p style="text-align: center;"><b>Blend MiraPrime MVERS Plus</b>  <b>Mix Ratio:</b> Mix entire kit only            MiraPrime MVERS Plus Kit Sizes: 2.9 Gal. and 5.5 Gal.</p> <p><b>Note:</b> Over very porous surfaces, a second coat may be required.</p>	200 - 250 SF/Gal 6.4 to 8.0 mils WFT  Dependent on MVE test results <b>Consult MiraPrime MVERS Plus IG</b>
3	<p style="text-align: center;"><b>Apply 1st coat of MiraThane 100CRU</b>  <b>Clear or Pigmented</b></p> <p><b>Caution:</b> As with all exterior coatings, avoid the application of <b>MiraThane 100CRU</b> when ambient and substrate temperatures are rising, and exceed PTDS published limitations. Attempt to schedule work when application conditions are during the cooler times of the day.  <b>Note:</b> Not intended for exterior slab-on-grade applications.</p>	a. Dip and Roll b. Squeegee and backroll c. Brush for detail work	<p style="text-align: center;"><b>Blend MiraThane 100CRU Clear</b>  <b>Mix Ratio:</b> A:B = 1:1 by Volume            MiraThane 100CRU Kit Sizes: 2 Gal. or 10 Gal.</p> <hr/> <p style="text-align: center;"><b>Blend MiraThane 100CRU Pigmented</b>  <b>Mix Ratio:</b> A:B = 1:1 by Volume            MiraThane 100CRU Kit Sizes: 2 Gal. or 10 Gal.            Add (1) Unit of ColorPax-U Per 2 Gal. Kit or (5) Units per 10 Gal. Kit</p> <p><b>Note:</b> Factory pigmentation available with min. 25 Gal. order Comp. A</p>	300 - 400 SF/Gal 4 - 5.3 mils WFT  250 - 300 SF/Gal 5.3 - 6.4 mils WFT  <b>Note:</b> Coverage dependent on substrate profile, and specific type of application.
4	<p style="text-align: center;"><b>Apply 2nd coat of MiraThane 100CRU</b>  <b>Clear</b></p> <p><b>Note:</b> <b>MiraThane 100CRU</b> should always be applied in two coats for uniformity. For best results, the second coat should be applied at cross-angles to the first coat after at least 8 hours of drying time.</p>	a. Dip and Roll or b. Squeegee and backroll c. Brush for detail work	<p style="text-align: center;"><b>MiraThane 100CRU Clear</b>  <b>Mix Ratio:</b>            A:B - 1:1 by volume</p> <p><b>Note:</b> When installing pigmented <b>MiraThane 100CRU</b> over a pigmented primer only one coat of <b>MiraThane 100CRU Clear</b> is required.</p>	300 - 400 SF/Gal 4 - 5.3 mils WFT
4(b)	<p style="text-align: center;"><b>Optional - Addition of Synthetic Aggregate</b>  <b>Mix into 2nd coat of MiraThane 100CRU Clear</b>  <b>to enhance coefficient of friction and slip resistance.</b></p>	Same as Above	<p style="text-align: center;"><b>Miracote Synthetic Aggregate</b>            Add max. of 2-4 Ounces/Gal for slip resistance            Requires mixing into MiraThane 100CRU when executing Step 4</p>	<b>Note:</b> Always apply mock-ups on site to verify coverage rates and owner approval.

**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.