



Installation Guideline

MiraFlor Metallux Decorative Epoxy Flooring System

Step #	Installation Step	Installation Methods	Products & Mix Ratios	Theoretical Coverage Rates
1	<p style="text-align: center;">Mechanically Prepare Substrate</p> <p>Note: Minimum (CSP) concrete surface profile of CSP-3 or higher is required depending on substrate conditions & coating requirements.</p>	a. Shotblasting or b. Diamond grinding or c. Sandblasting or d. Other similar approved mechanical methods.	MiraFlor Metallux Epoxy Flooring must be applied to a dry, clean and sound mechanically prepared concrete or other type of substrate. For the surface preparation of concrete, refer to ICRI's <i>Technical Guideline No.310.2-1997,"Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, & Polymer Overlays"</i> . Note: Avoid any use of water in cleaning and preparing the substrate.	N/A
2	<p style="text-align: center;">Prime Substrate with MiraFlor CQ Clear (Clear or Pigmented)</p> <p>Note: For best results, always add ColorPax-E pigment to the epoxy primer for optimum hide.</p>	a. Dip and Roll b. Squeegee and backroll	Blend MiraFlor CQ Clear Mix Ratio A:B = 2:1 by Volume If Pigmented: Add (1) Unit of Miracote Colorpax-E Per 3Gal Unit Use a pigment color that is most similar to installed Metallux color Note: Always add pigment to "A" Component before mixing with "B"	300-320 SF/Gal. 4.3 to 4.6 mils WFT
3	<p style="text-align: center;">Apply MiraFlor Metallux Base Coat</p> <p>Note: Apply Metallux base coat when primer has become tack-free and within 24 hrs. maximum. Maintain a wet edge at all times when applying.</p>	a. Magic trowel b. Steel trowel c. Porcupine roller (if needed to ease surface tension and mitigate bubbling) *Do not use a paint rollers	Blend MiraFlor CQ Clear Mix Ratio A:B = 2:1 by Volume Add (3) Units of MiraFlor Metallux pigments Per 3 Gal Unit Note: Several hours or preferably the day before application, premix metallic pigment into "A" Component. Mix with "B" when ready to use.	75 - 100 SF/Gal 14 - 18.5 mils WFT
4	<p><i>Optional</i></p> <p style="text-align: center;">Solvent Misting MiraFlor Metallux Surface</p> <p>Note: Acetone or Isopropyl Alcohol may be used to lightly mist the wet MiraFlor Metallux film. This reduces surface tension which causes diffusion and thinning of the wet film. As a result, this reaction creates the appearance of unique "marbling" or "hammer-toning" effects ranging from mottling to transparency to illusionary depth of the finished surface.</p>	a. Hand-held Sprayer <p style="text-align: center;">Caution: Do not use Hudson or Chapin type sprayers</p>	<p>Option 1</p> Use Acetone or Isopropyl Alcohol Alone (If "Secondary Color Starbursts" are not desired)	
	<p>Option 2</p> Use Acetone or Isopropyl Alcohol with Metallux Pigment Mix Small Amount of Metallux Powder Pigment into Dispersion More Powder = Opaque Less Powder = Translucent Note: Document powder pigment dosage rates in Dispersing Agent			

OPTIONAL BUT HIGHLY RECOMMENDED: APPLY 1 TO 2 CLEAR FINISH COATS WITH CHOICE OF ALIPHATIC POLYURETHANE, POLYASPARTIC OR POLYUREA



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5	<i>Optional</i>			
	Lightly Sand & Tack Wipe			
	<p>Note: Not required if finish coat is applied within a 24 hour period from completion of Step #4.</p>	Lightly sand and tack wipe MiraFlor Metallux Base Coat only if recoat window exceeds a 24 hour period @ 75F before application of the 1st Finish Coat.		
6a	<i>Optional</i>	a. Squeegee and Backroll	Mirathane WB Clear - Gloss, Satin or Matte Single Component or	250 SF/Gal 5.6 mils WFT
6b	Apply 1 or 2 Finish Coats		MiraFlor Glazetop Clear - Gloss Mix Ratio A:B = 2:1 or	225 SF/Gal 7 mils WFT
6c	<p>a. MiraThane WB (polyurethane)</p> <p>b. MiraFlor Glazetop (polyaspartic)</p> <p>c. MiraFlor Glazetop FC (polyurea)</p> <p>Note 1: Two coats are always recommended for high traffic areas and best stain resistance.</p> <p>Note 2: When matte finish is desired, it is recommended to apply 1st coat with gloss.</p>		MiraFlor Glazetop FC Clear - Gloss Mix Ratio A:B = 2:1	
6d	<i>Optional</i>			Miracote Synthetic Skid Resistance Aggregate Add Maximum 4 Ounces/Gal to Any of the Above Finish Coats
	Addition of Synthetic Aggregate for Skid Resistance			

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.