MIRACOTE

Installation Guideline

MiraGard Granite Microflake BroadcastSystem

Step #	Installation Steps	Installation Methods	Products & Mix Ratios	Theoretical Coverage Rates
1	**Mechanically Prepare Substrate** **Note:** Minimum **(CSP)** concrete surface profile of CSP-3 or higher is required depending on substrate conditions & coating requirements.	a. Sandblasting or b. Shotblasting or c. Diamond grinding or d. Other similar and approved mechanical methods.	**MiraGard Granite** must be applied to a clean, sound, and mechanically prepared concrete substrate, as per ICRI's Technical Guideline No.310.2R-2013 "Selecting and Specifying Concrete *Surface Preparation for Sealers, Coatings, Polymers Overlays and* Concrete Repair". Concrete surface must be dry during application.	N/A
2	**Apply Primer Coat:** MiraPrime WB **or** MiraPrime ML **Note:** Other Miracote primers may be considered.	a. Notched squeegee and backroll b. Squeegee and backroll c. Dip and roll	**Mix Ratio:** **MiraPrime WB** : Single Component (Mix before use) **or** **MiraPrime ML**: 2 parts A-Comp. : 1 part B-Comp.	200 - 250 SF/Gal (6 to 8 mils wft) 225 - 250 SF/Gal (7 to 8 mils wft)
3	**Apply 1st Broadcast Receiving Coat**	a. Squeegee and Backroll b. Dip and Roll	**Combine MiraGard Granite Components A and B** **Blend at a ratio of 1 : 1 by volume**	175 - 200 SF/Gal 8 - 9 mils WFT
4	**Broadcast Microflakes** **To Refusal**	a. Hand broadcast or b. Mechanically broadcast	**Miracote Microflake Colored Vinyl Chips** 9 Blended Standard Colors Depending on the area One (1) Box = 40 or 50 LBS	7-10 lbs per 100 SF **Note:** Recovery of excess vinyl flakes is very low. **Do not try to reuse.**
5	**Remove Excess Vinyl Chips**	After granite broadcast system has sufficiently cured to be resistant to damage (approximately 60-90 minutes), carefully remove excess vinyl chips and vacuum. Recovery of excess vinyl chips is usually very low and results in fragmentation. **Reuse is not a recommended practice.**		
6	**Apply 2nd Broadcast Receiving Coat** **Note:** It is important to maintain a wet edge when when applying and broadcast immediately.	a. Squeegee and Backroll	**MiraGard HDWB Gloss** **Mix Ratio:** Single component	200-250 SF/Gal. (6 to 8 mils wft)
7	**Broadcast Microflakes** **To Refusal**	a. Hand broadcast or b. Mechanically broadcast	**Miracote Microflake Colored Vinyl Chips** 9 Blended Standard Colors Depending on the area One (1) Box = 40 or 50 LBS	7-10 lbs per 100 SF **Note:** Recovery of excess vinyl flakes is very low. **Do not try to reuse.**
8	**Repeat Step 5**			
9	**Apply Lock Down Coats** **Note:** A minimum of two coats is required applied cross-angled approximately 60 minutes apart. For best results and texture apply a third coat.	a. Squeegee and Backroll b. Dip and Roll	**MiraGard HDWB Gloss** **Mix Ratio:** Single component **Note:** For the ***final coat*** HDWB Satin or Matte may be applied to reduce the level of gloss. For the most natural granite appearance use Matte.	200-250 SF/Gal./Coat (6 to 8 mils wft)

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Optional - Depending on project requirements, service conditions, exposure condtions and owner requirements the final coat in Step 9 may be substituted for a wide range of different Miracote clear finish or top coats that may provide enhanced abrasion and chemical resistance. Refer to the Product Technical Data Sheets and Installation Guides for MiraFlor CQ Clear, MiraFlor Glazetop 85, MiraThane MCU or MiraThane 100CRU.				

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, transisitions 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.