MIRACOTE

# Installation Guideline

## MiraPrime Aqua-Blok XL
## CURED CONCRETE APPLICATIONS

| Step # | Installation Step | Installation Methods | Products & Mix Ratios | Theoretical Coverage Rates |
|---|---|---|---|---|
| 1 | **Mechanically Prepare Substrate**<br><br>**Note:** Minimum **(CSP)** concrete surface profile of CSP-1 or higher is required depending on substrate conditions & coating requirements. | a. Power washing or<br>b. Shotblasting or<br>c. Diamond grinding or<br>d. Other similar and approved mechanical methods. | **MiraPrime Aqua-Blok XL** must be applied to a clean substrate with an open-pore structure. Mechanically prepare surfaces as required per ICRI Technical Guideline No. 310.2R-2013, *"Selecting and Specifying Concrete Surface Preparation……..."* If possible, concrete surface should be dry at time of application. | N/A<br>**Note:** During hot weather conditions, pre-saturate the substrate with potable water to SSD condition to cool down the surface. |
| 2 | **Determine the pH of existing substrate.**<br><br>**Note:** Mechanically abrade a 1/16" to 1/8" layer from the surface which is likely carbonated to obtain the most accurate reading possible. | a. pH Pencil<br>b. pH test strips<br>(both use distilled water) | **pH Testing kit(s)**<br>(follow the instructions provided by testing kit supplier) | N/A<br>**Note: pH range must be 9-10 or higher. If < 9 contact local Miracote representative.** |
| 3 | **Apply MiraPrime Aqua-Blok XL**<br>**1st Application**<br><br>**Note:** Thoroughly saturate the substrate evenly to refusal when a light wet sheen appears on the concrete surface. Avoid over-application and puddling. Broom or squeegee puddled material to areas exhibiting rapid absorption. | a. Pump Sprayer (low pressure) (low pressure pump with fan tip)<br>b. Roller<br>c. Brush | **MiraPrime Aqua-Blok XL**<br>Single component<br><br>**Note:** Refer to the Product Technical Data Sheet (PTDS) for MiraPrime Aqua-Blok XL prior to application of this material. | 50 - 250 SF/GAL<br>***Actual rate of consumption is dependent on several factors including concrete mix design, w/c ratio, and degree of porosity.***<br><br>**Note:** Avoid over-application and puddling. Broom or squeegee puddled material to areas exhibiting more rapid absorption. |
| 4 | **Apply MiraPrime Aqua-Blok XL**<br>**2nd Application**<br><br>**Note:** Proceed with the 2nd application after 20 - 40 minutes has expired. Apply in the same manner in a direction perpendicular to the 1st. | a. Pump Sprayer (low pressure) (low pressure pump with fan tip)<br>b. Roller<br>c. Brush | **MiraPrime Aqua-Blok XL**<br>Single component | Same as in Step 3 |
| 5 | **Apply 1st Mist Coat of Potable Water** | a. Pump Sprayer (low pressure) | Approximately 30-40 minutes following the 2nd application, lightly mist coat the surface with potable water only. | |
| 6 | **Apply 2nd Mist Coat of Potable Water** | a. Pump Sprayer (low pressure) | Approximately 30-40 minutes following the 1st mist coat, repeat with another mist coat. | |

**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.