



### ***Metallic Coating System***

1. **PREP:** One of the key components is to ensure that the surface is free from sealers, dirt, oils, glues and other contaminants. It also needs to be profiled.
  - a. A few methods for properly preparing the concrete are:
    - i. Using a lower grit (16, 30) metal bond diamond tool on a single headed or planetary grinder with a vacuum and grinding dry. *Note: Dry grinding and creating the proper surface profile (one that mimics a light broom finish on concrete is key)*
1. **Apply Super Prime (Pigmented):** Mix the pigment in the "A" Side for 1-2 minutes. (32 oz per 2 gallon kit) After mixing the pigment with the "A" Side mix with part B. Mix Super Prime by drill mixing. Apply the product to the floor by dipping and rolling out of a pan. Use a ¼" to ¾" nap roller cover (18" roller covers are best). Coverage rates for dipping and rolling are approximately 350 sq ft per gallon depending on the porosity and surface prep method. Super Prime is able to be coated over when the surface is tack free and able to be walked on without forming an impression.(typically 4-12 hours). If exceeding maximum recoat window of 12 hours Super Prime must be screened with 220 or coarser screen on a buffer to ensure adequate epoxy adhesion.
2. **Apply Epoxy Flow 100 with Black (or other desired base coat pigment):** Mix the solid color pigment in the "A" Side of the Epoxy Flow 100 for 1-2 minutes using a drill mixer at low speed. After mixing the pigment with the "A" Side mix with part B. Epoxy Flow 100 is to be mixed as 2 parts "A" to 1 part "B". Mix Flow 100 by drill mixing. After mixing, immediately pour the product on the floor. (do not let the product dwell in a bucket). Spread by using a notched squeegee and back roll with a roller (¾" nap is most typical). Spike shoes are a must to walk through the product. Application rates are typically 100 to 125 sq ft per gallon. Allow to dry tack free before the next coat. Adhere to recoat windows for Flow 100 by referring to the data sheet. Screen the floor with a 120 or coarser sand screen to degloss and profile floor if the material goes beyond the recoat window.
3. **Apply Epoxy Flow 100(Reg., Slow, or All Day) with metallic pigment:** Mix the pigment in the "A" Side of the Epoxy Flow 100 for 1-2 minutes using a drill mixer at low speed. After mixing the pigment with the "A" Side mix with part B. Epoxy Flow 100 is to be mixed as 2 parts "A" to 1 part "B" Mix Flow 100 by drill mixing. After mixing, immediately pour the product on the floor. (do not let the product dwell in a bucket). Application rates are typically 50 to 100 sq ft per gallon. For metallics many creative aspects can be achieved by using erratic rolling patterns, using other metallic colors in areas as highlights, and misting solvents such as xylene on the floor. Testing these techniques is recommended before doing the floor. Reference what others have done on youtube or other sources to learn unlimited techniques and effects. Spike shoes are a must to walk through the product.
4. **Apply Desired Clear Coat:** Choose your desired clear coat. It is recommended to perform a light sand screen prior to putting on the final clear coat using a finer grit screen (150-220). Vacuum and wipe clean prior to final coat.
  - a. WB Urethane Matte or gloss = water based urethane with slight orange peel finish
  - b. Cherry Glo = microfiber application wax
  - c. Our Poly 80 Slow provides a 'thicker' clear look. It is a very low VOC product. This product will 'lay out' easier than water based products. It does still have a slight orange peel finish
    - i. Refer to the desired products data sheet for instructions
    - ii. Add traction additive if desired.
    - iii. Protect area from traffic until the coating has sufficiently dried

Please Read: We do not sell the 'finished floor'. You are responsible for creating the finished product. Please contact us with any questions. Mock ups are encouraged before doing your project. The information supplied by Concrete Floor Supply about our products and uses is not a representation or a warranty. It is supplied on the condition that you will make your own tests to determine the suitability of the product for your own particular purpose. Any use or application is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications.