

Pro One Day Flake Epoxy 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 a profile.
 - i. Do all repairs before grinding so repairs are ground flush with the floor. We recommend our Instant Medic Hard for all repairs for this coating system.
 - ii. Methods for properly preparing the concrete are:
 1. Using a lower grit (16, 30) metal bond diamond tool on a single headed or planetary grinder with a vacuum and grinding dry
 - a. Vacuum floor clean. Remove any other residual dust by leaf blowing and/or microfiber wiping. Do not use water
2. **Apply Super Prime (Optional):** Mix Super Prime 1 to 1 by drill mixing. (Pigment can be added to Super Prime if desired) Apply Super Prime to the floor by dipping and rolling out of a pan using a $\frac{3}{8}$ " nap roller cover. Coverage rates by dipping and rolling are typically 300 to 400 sqft per gallon. Allow to dry tack free and into the recoat window on the data sheet (typically 4-12 hours) before applying the next step (pigmented Poly 90)
 - a. Super Prime is an optional step that adds greater adhesion of subsequent coatings to the floor. It also keeps your Poly 90 coat from soaking too much. We always encourage the use of this product but would highly recommend it if using our 30 grit satellite pads for prep as they don't provide quite as deep of a profile as a grinder with metal bond tools.
3. **Apply Pigmented Poly 90:** Mix Poly 90 by drill mixing. Mix in the proper amount of pigment (1 pigment colors 4 gallons). Apply Poly 90 to the floor by dipping and rolling out of a pan. Use a $\frac{3}{8}$ " nap roller cover. Larger floors can be accomplished by pouring the Poly 90 on the floor and using a flat squeegee to spread the product and immediately backrolling. Coverage rates for dipping and rolling are approximately 200 sq ft per gallon. **Poly 90 has a pot life (can hang out in a bucket or pan) for up to 45 minutes. Once applied to the floor there is about a 15 minute work time to roll it out and another 15 minutes or more to broadcast chips to the area. The best is to roll and broadcast your way out of an area. Wear spike shoes is extremely handy for broadcasting and double checking your work. Refer to data sheet for more information.*
 1. **Broadcast Flake:** Immediately after the Poly 90 is applied to the floor the flakes need to be broadcast. Broadcast flakes to rejection before the Poly 90 begins to set. Multiple broadcast work best opposed to one saturation coat. No shiny spots that show the base coat should be seen when done. Note: If you multiply the sqft of the floor times .1 you will get the pounds of flake needed for full broadcast. I.E 800sqft x .1 = 80 pounds of flake.
 2. **Top Coat - Poly 90 Clear:** After the base coat with flakes has sufficiently set and is no longer tack free (typically 4 plus hours. Note this is greatly effected by temperature) scrap the floor by dragging a straight edge or use a sand screen to knock down jagged flakes. Vacuum and blow floor clean. Apply a clear top coat of Poly 90 using a flat squeegee and backrolling with a $\frac{3}{8}$ " nap roller. Spike shoes are necessary to walk through the floor when using a squeegee.
 - a. Add traction additive if desired.
 - b. Protect area from traffic until the coating has sufficiently dried (typically 4-8 hours for light foot traffic)

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