

APPLICATION SPECIFICATIONS - ICO FLAKE SYSTEM

1. Mechanically abrade concrete floor by shotblasting or diamond grinding, removing any loosely bonded old coatings and roughen up any well-bonded coatings. Any oil or grease stains should be removed by chemical means prior to mechanical prep.
2. All cracks 1/8" and wider, as well as old control joints should be routed out and pre-filled with ICO Gel and allowed to dry tack free.
3. Any spalled concrete or holes greater than 1/4" deep should be pre-filled with ICO Patch over a wet or tacky primer.
4. The ICO Coat base coat does not require a primer, except if going over less-than-28 day old concrete or damp concrete, in which case an application of Primer LV or LVFC is recommended. Allow primer to cure tack free.
5. Mix Part A for about 30 seconds with a "jiffy-style" mixing blade at low to medium speeds (<750rpm), then add Part B, mix for another 30-60 seconds, or until uniform in color.
6. Dump contents onto floor, spread with a notched squeegee at about 125 SF/gallon and then backroll with a fine nap roller.
7. Immediately broadcast flakes into the still-wet coating: approx. 3-4 pounds per 100SF for a partial broadcast floor and about 10-20 pounds per 100SF for a full broadcast flake floor. Allow to dry thoroughly
8. For the full broadcast system, sweep off any loose flakes, followed by lightly sanding to knock down any protrusions.
9. Apply ICO Sealer epoxy sealer at about 125SF/gal to lock in the flakes. For floors exposed to UV light, apply either URE Guard 80 at about 100SF/gal or URE Guard 100 at 125 SF/gallon as a top sealer coat.

Notes:

1. Do not apply below 50F
2. For full flake system, we suggest ordering ICO Coat XT, which is a thickened up version of ICO Coat that is less susceptible to absorption by the flakes.
3. For partial broadcast system that will be exposed to UV light, it is recommended that either a thin coat of pigmented URE Guard 60 be applied over ICO Coat or in place of ICO Coat, apply URE Guard 100, pigmented (note that UG 100 has a fast cure, so open time is limited to about 15 minutes).