



Application Guide

ICO Hi Guard Coating

1. On uncoated concrete floors, lightly shot blast to achieve about a 60- 80 grit profile. Oil saturated floors must be thoroughly cleaned with a heavy duty degreasing agent prior to shot blasting. Repeat if necessary. Previously coated floors can be sanded, removing any loose or peeling old coating, prior to application. If the old coating's identity is unknown, prime a small area with ICO Primer LV FC and test for adhesion the next day.
2. Lightly pitted holes and spalled concrete can be smoothed out with ICO Primer Slurry Mix. Patch holes deeper than ½" with ICO-Patch (prime all areas first with ICO-Primer LV FC).
3. All cracks > ¼" wide should be routed out and pre-filled with ICO-Gel. For thinner cracks to help prevent them from mirroring through finished coating, fill with ICO Primer LV FC and allow to harden.
4. No primer is necessary with ICO-Hi Guard Coating; however, if concrete is porous, use of ICO-Primer LV or LV FC can be used to seal the concrete to help reduce outgassing. Alternatively, thin the first coat with up to 10% by volume with MEK, toluene or xylene.
5. Mixing should be done with a "jiffy-style" mixing blade at low-medium speeds (<750 rpm). Mix Part A first for at least 30-60 seconds, then add Part B and mix for another 30-60 seconds, until totally uniform in color.
6. Dump contents onto floor and spread with a notched squeegee at 160SF per gallon per coat, yielding a finished thickness of 10 mils depending on porosity, followed by back-rolling with a fine nap roller. It can be applied in virtually any thickness on horizontal surfaces; however, for a better appearance, two thinner coats are recommended. If applied in thicknesses greater than 15 mils per coat, use porcupine roller to assist in air release. On vertical surfaces maximum thickness at 75°F is about 5 mils.
7. Multiple coats should be applied within 24 hours at 75°F or 4-6 hours in direct sunlight; otherwise, sand before recoating.
8. Broadcast in silica sand in the still-wet coating to achieve an anti-slip texture; backroll the sand into the coating.
9. For a more wear resistant surface a total 60 mil system is recommended, as follows: apply a first coat at 80SF/gal, seed to refusal, dry, sweep off excess sand, then apply second neat coat at 80SF/gal.
10. Do not apply below 50°F.

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