

APPLICATION SPECIFICATION – ICO-GUARD SELF-LEVELING (SL)

1. Obtain clean surface by shotblasting, scarifying or by other mechanical means. For heavily oil – or grease-saturated floor, clean with a heavy duty degreasing agent prior to mechanical cleaning.
2. Cracks 1/8” or more, pour joints and construction joints must be cleaned of loose debris, grease and other contaminants, then filled with ICO-Gel, prior to installation of ICO-Guard SL. Cracks less than 1/8” need no special treatment except cleaning out. However, to prevent any of the crack mirroring through, they should be first covered with a liquid primer as part of the priming process.
3. All expansion joints must be carried through the epoxy topping by filling with ICO-Lastic Gun Grade or other suitable flexible expansion joint material.
4. Patch all holes ½” deep and greater and spalled concrete with ICO Patch over wet or tacky primer. Lightly pitted areas can be filled in with ICO-Guard SL as part of floor-laying process.
5. Priming with ICO Primer LV or LV FC is recommended to seal the concrete and prevent air escaping into the self-leveling floor and forming blisters. Allow primer to dry; if any dry spots appear, prime again.
6. Mix Part A first with a paddle-type mixer low-medium speeds (<750 rpm) for about 30 seconds, then add Part B hardener and mix for another 30-60 seconds, followed by addition of the sand mix and further mixing until the mix is totally uniform in color and consistency.
7. Apply ICO-Guard SL with a gauge rake, notched rubber squeegee or steel trowel. Coverage for the 4 gallon kit is 50 SF for 1/8" thickness. Do not lay less than 1/16". For thinner applications specify ICO Guard Coating. Use spiked rollers to assist in the leveling process. Note that if the material does not self level, even with the assist of the spiked roller, then use less sand and/or heat the existing sand to at least 70EF prior to application.
8. For an anti-slip surface, allow the self leveling coat to dry. Apply a top coat of ICO-Guard Coating and broadcast in silica sand. Alternatively, to achieve a 1/8", anti-slip floor, apply base coat of ICO-Guard Self-Leveling to 1/16" thickness, seed with silica sand to saturation and after drying sweep off excess sand and apply top coat of ICO-Guard Coating at a coverage rate of approximately 80-100 SF per gallon.
9. Do not apply on pitched floors with slope of greater than one eighth inch per foot. Use ICO-Guard Coating seeded with silica sand in multi-layered application or use ICO-Guard 51. Areas around drains where there is a slope should be primed and seeded to excess with silica sand and allowed to dry before applying Guard SL.
10. For substrate temperatures between 40°F and 50°F, ICO-Guard SL FC must be used. At these temperatures, the material will not self level without removing some of the sand. Additional use of the spiked roller will also be necessary. Do not apply ICO Guard SL in any form below 40°F.