



### **APPLICATION SPECIFICATIONS – ICO GUARD 51**

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 of 1/8" or more, pour joints and construction joints must be cleaned of loose debris, grease and other contaminants, then filled with ICO Gel and allowed to dry tack free.
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 large holes 1/2" deep and greater and/or spalled concrete with ICO-Patch. Prime all patching areas first with ICO-Primer LV FC. Lightly pitted areas can be filled in with ICO-Guard 51 as part of floor-laying process.
5. ICO- Guard 51 is a self priming mix. However, priming with ICO-Primer LV or LVFC at about 200-250 SF per gallon is recommended to seal porous substrates and thus, help minimize outgassing. Allow primer to dry tack free.
6. Mix Parts A and B first in a paddle-type mixer at low-medium speeds (<750 rpm) for at least 60 seconds, followed by addition of aggregate and dry pigment and mixing for another 60 seconds until mix is totally uniform.
7. Apply ICO-Guard 51 with a gauge rake, screed box or steel trowel to the desired thickness (minimum thickness: 3/16"). Trowel lightly in one or two passes to close the surface. Do not overwork. Do not add solvent.
8. To the still wet surface, back roll with a fine nap roller moistened with a solvent such as isopropyl alcohol to bring up the resin and remove any trowel marks. For an anti-slip surface, immediately after trowelling broadcast in aggregate. For a medium texture use a 35 mesh silica and a 12/20 mesh for a more aggressive finish. Approximately 2-3 ounces per square foot.
9. No top coat is required; however, if requested, ICO-Guard Coating should be applied within 16 hours.
10. For coving, use ICO Guard Cove Mix or add ICO Thickener to Guard 51 mix.
11. For application temperatures between 40 and 50°F, specify ICO-Guard FC 51. An extra fast curing version, ICO-Guard Cold Cure is available for applications between 32 and 40°F. Do not apply below 32°F.