



# ICO Primer Slurry Mix

## Product Data Sheet

### Product Description

**ICO-Primer Slurry Mix** is a three part, 100% solids, odorless epoxy floor resurfacer. Using a specially formulated primer with our **ICO Fill SL** sand, in a 1:1 volumetric ratio, it can be applied in thicknesses up to 120 mils in a single pass. It has excellent damp, as well as dry adhesion to concrete, metal and masonry surfaces. Applied by a flat squeegee or trowel, it can be used to level the floor and be ready for recoating in as little as 5-6 hours (at 75°F), using the fast cure version. For deeper holes, we recommend use of our **ICO Patch** or **ICO Quik Patch** material.

### Product Application

Oftentimes, old concrete has spalled or pitted to the extent that a thin film coating will not be able to hide such defects. **ICO Primer Slurry Mix** is an ideal resurfacer for quickly and economically smoothing the surface prior to application of a finish coat. It is also intended to be used to level a floor prior to applying a self-leveling or slurry/broadcast system - both of which need a level floor prior to application. When a trowelled system is applied, then generally there is no need for the primer slurry mix. **ICO Primer Slurry Mix** can also be used as a finished flooring if the purpose is just to level and seal the floor, without the need for a light reflective top coat. An example would be in a mechanic's bay where the major purpose is to seal the concrete to prevent any harmful chemicals from penetrating.

### Physical Properties (for Regular Cure)

<b>Tensile Strength (ASTM C-307):</b>	3830 psi	<b>Bond Strength to Quarry Tile:</b>	>1000 psi
<b>Tensile Elongation (C-307):</b>	3%	<b>Gardner Impact:</b>	>160 in. lbs.
<b>Compressive Strength (C-579):</b>	10,080 psi	<b>Water Absorption:</b>	0.2% in 24 hours
<b>Hardness, Shore D (D-2240):</b>	84 D		

### Physical Characteristics

#### Density, lbs. /gal.

Pt. A	9.5
Pt. B	8.5
A&B Mixed	9.2

#### Viscosity, cps

Pt. A	550
Pt. B	850
A&B Mixed	700

Ratios	By Vol	By Wt.
Primer SL, A: B	2.3:1	2.5:1
Primer SL, FC, A: B	2.1:1	2.5:1
Aggregate: Liquid	1:1	1.5:1

Curing Times @:	50°F	70°F	90°F
<b>Regular Cure Pot Life:</b>	60 min.	40 min.	20 min.
<b>Hard:</b>	30 hrs.	12 hrs.	7 hrs.
<b>Fast Cure, Pot Life:</b>	18 min.	12 min.	6 min.
<b>Hard:</b>	20 hrs.	5 hrs.	4 hrs.

**Shelf Life** 1 year at 77°F in unopened containers

Maximum Hardness achieved after 7 days @77°F.

### Color Availability

Neutral (but can be tinted)

### Packaging and Coverage Rates (includes liquid and filler)

Basic Kit	100 SF @ 1/16"
Bulk Pack	1000 SF @ 1/16"
Drum Kit	10,000 SF @ 1/16"

### Installation

**Please refer to our Application Specs for more detailed instructions. Particular care must be taken to follow these instructions precisely to assure proper installation**

1. New concrete should be allowed to cure a minimum of 28 days and be checked with a rubber mat or plastic sheet to insure adequate curing time.
2. All surfaces to be covered should be power washed, shot blasted, acid etched, scarified or sanded to present a clean, sound substrate to which to bond to.
3. All deep holes (> 1/2" thick) should first be patched with ICO Patch and allowed to dry tack free.
4. Mix Part A and Part B first in the exact prescribed ratio, using a low speed jiffy-style mixer (< 750 rpm), then add the designated amount of ICO Fill SL sand and mix for another 30-60 seconds **until uniform**.
5. **Apply the mix** in a ribbon fashion, then spread with a flat squeegee to level the floor. If some excess material is desired to be left on the concrete surface, a 1/8" or 1/4" notched squeegee would be the choices. Allow to dry.
6. (Optional) Apply the designated ICO top coating over the slurry within the open time.

**Failure to follow the above instructions, unless expressly authorized by a Milamar Technical Service Representative, will void our material warranty.**

### Precautions

- 1. Fast cure version has limited working time; pour out of bucket immediately after mixing and spread with squeegee. Never apply at temperatures above 65° to 70°F.**
- 2. Recoat window at 70°F: Primer SL: 20 hours; SL FC: 12 hours.**
- 3. Do not apply below 50°F. For applications below 50°F, consult with Milamar Technical Service.**

### Product Specification

The specified area shall receive an application of **ICO-Primer Slurry Mix** as manufactured by **Milamar Coatings LLC. of Oklahoma City, Oklahoma**. The system shall be installed by precisely following the manufacturers published recommendations pertaining to surface preparation, mixing, and application. The material shall be a low odor, solvent free, 100% solids epoxy primer with excellent adhesion to damp as well as dry concrete, metal and wood. It should be able to adhere to brick and tile, exceeding 1000 psi on an Elcometer pull test.

The data statements and recommendations set forth in this product information sheet are based on testing, research and other development work which has been carefully conducted by us, and we believe such data. Statements and recommendations will serve as reliable guidelines. However, this product is subject to numerable uses under varying conditions over which we have no control, and accordingly we do NOT warrant that this product is suitable for any particular use. Users are advised to test the product in advance to make certain it is suitable for their particular production conditions and particular use or uses.

### LIMITED WARRANTY

Milamar Coatings products are manufactured to be free of defects in material and workmanship in meeting the properties specified on its individual Product Data Sheets. Users and installers of Milamar Coatings products are solely responsible for determining the suitability of the products for specific product applications. Milamar Coatings makes no Warranty or Guarantee, express or implied, including warranties of fitness, design compatibility or merchantability, for any particular use and shall have no responsibility or liability, including direct, indirect or consequential damages, due to injury, delay or third party claims for installation or repair. Likewise, Milamar Coatings assumes no liability of any nature for products that are adjusted in the field or that do not utilize all specified Milamar Coatings components. Should any Milamar Coatings product be proved to be defective within one year from the date of shipment, Milamar Coatings will, at its sole discretion, either replace the material; issue a credit to the customer's account; or provide a cash refund for the initial, paid purchase price of the material. Potential claims regarding product quality must be received in writing by Milamar Coatings within 30 days of the discovery of such potential defect. This Warranty is exclusive of all other warranties, expressed or implied, and may only be adjusted in writing, signed by an officer of Milamar Coatings, L.L.C.

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