

ICO-PRIMER SL SLURRY MIX

Product Description

ICO-Primer SL Slurry Mix is a three part, 100% solids, odorless epoxy floor resurfacer especially designed for filling low spots, spalled areas, and other irregularities prior to applying a finish coat. Using a specially formulated primer, **ICO Primer SL**, 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** 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 SL 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 levelling 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 SL 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)

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

Physical Characteristics

Density, lbs./gal.	Mixing Ratios	By Volume	By Weight		
Pt. A 9.5	Primer SL, A:B	2.1:1	2.4:1		
Pt. B 8.5	Primer SL, FC, A:B	2:1	2.3:1		
A&B Mixed 9.2	Aggregate:Liquid	1:1	1.5:1		
Viscosity, cps	Curing Times@	32°F	50°F	77°F	90°F
Pt. A 476	Regular Cure Pot Life	-	60 min	40 min	20 min
Pt. B 520	Hard	-	30 hrs	12 hrs	7 hrs
A&B Mixed 500	Fast Cure, Pot Life	18 min	18 min	12 min	6 min
	Hard	35 hrs	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 (no tint)

Packaging and Coverage Rates

(Note: **Primer SL** and **ICO Fill SL** sand are packaged separately)

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

Installation

Please refer to our Installation Guide and Technical Bulletin #136 for more detailed instructions.

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 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, an 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.
7. For temperatures between 32°F and 50°F, use **ICO Primer SL FC Slurry Mix**.

Note: For these "thick" applications (> 15-20 mils), only use **ICO Primer SL**, as **ICO's** other primers do not cure as hard at thicknesses greater than 20 mils.

Precautions

Avoid skin contact with liquid Part A and Part B as they may cause skin irritation to some people. Protective hand creams and/or gloves should be used. Clean-up can be done with hot soapy water before the material starts to set. Once the material has set it can be removed with a paint stripper.

Product Specification

The specified area shall receive an application of **ICO-Primer SL Slurry Mix** as manufactured by **International Coatings, Inc., Franklin Park, Illinois**. 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.

Technical Assistance

Our many years of installation experience enable us to provide valuable input on not only proper material selection but also installation techniques that will help assure your satisfaction. We have qualified personnel to inspect your floors, analyze the cause of the problems and design procedures and specifications to prolong the useful life of your floors. We furnish detailed application specifications including drawings of necessary details to be used. We are prepared to offer job site instruction for your in-house maintenance crews or to work closely with your preferred applicator. We can also furnish a list of a network of **ICO** trained certified contractors.

Mission Statement

Our mission is to provide our customers the highest possible quality products and services and by so doing, build long term relationships based on mutual trust and respect.

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.

WARRANTY - All products manufactured by us are warranted to be first class material and free from defects in material and workmanship.

Liability under this warranty is limited to the net purchase price of any such products proven defective or, at our option, to the repair or replacement of said products upon their return to us transportation prepaid. All claims hereunder on defective products must be made in writing within 30 days after the receipt of such products in your plant and prior to further processing or combining with other materials and products. **WE MAKE NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE SUITABILITY OF ANY OF OUR PRODUCTS FOR ANY PARTICULAR USE, AND WE SHALL NOT BE SUBJECT TO LIABILITY FROM ANY DAMAGES RESULTING FROM THEIR USE IN OPERATIONS NOT UNDER OUR DIRECT CONTROL.**

THIS WARRANTY IS EXCLUSIVE OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND NO REPRESENTATIVE OF OURS OR ANY OTHER PERSON IS AUTHORIZED TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF OUR PRODUCTS.



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