

ICO-PRIMER LV

Product Description

ICO-Primer LV is a low viscosity, two part, 100% solids epoxy primer. It is virtually odorless and non-toxic. **ICO Primer LV** has excellent damp, as well as dry adhesion to concrete, masonry surfaces, wood and gyp board. (For priming metal, we recommend our **Rust Guard Coating**). With a very low viscosity of 250 centipoise, it readily penetrates porous substrates to provide an excellent mechanical bond. Such a highly penetrating primer has also been found effective in sealing the concrete to help prevent outgassing. Where faster curing times are required, specify **ICO Primer LV FC**. For application between 32°F and 50°F, our **ICO Primer FC** material should be used. For vertical surfaces, our **ICO Primer GL** is preferred.

Product Application

ICO-Primer LV must be used as a primer before using our **ICO Patch** (at a 10:1 mix) and our **ICO Floor** trowelled material (at an 8:1 aggregate : liquid mix). The primer should be allowed to tack up prior to application of the top coat. For all our other self-priming floor toppings and coatings, our primers should be allowed to dry tack free to maximize its effectiveness in sealing the concrete to reduce any possible outgassing. **ICO Primer LV** can also be used as a penetrating concrete sealer to prevent dusting and moisture penetration.

Physical Characteristics

Density, lbs./gal.	Pt. A	Pt. B	A&B Mixed	Mixing Ratios (Part A:Part B)		
					By Volume	By Weight
ICO Primer LV	9.5	8.0	9.2			
ICO Primer LV FC	9.5	8.2	9.3	ICO Primer LV	3.3:1	4.1:1
ICO Primer FC	9.5	8.4	9.2	ICO Primer LV FC	4.6:1	5.4:1
ICO Primer GL	9.5	8.6	9.2	ICO Primer FC	2.7:1	3.0:1
				ICO Primer GL	1.9:1	2.1:1
Viscosity@77°F, cps	Pt. A	Pt. B	A&B Mixed			
ICO Primer LV	476	60	250			
ICO Primer LV FC	476	60	250			
ICO Primer FC	476	824	600			
ICO Primer GL	476	300	440			
Curing Times@		32°F	50°F	77°F	90°F	
ICO Primer LV	Pot Life	----	35 min.	25 min.	15 min.	
	Tack Free	----	40 hrs.	10 hrs.	5 hrs.	
	Set Hard	----	72 hrs.	18 hrs.	9 hrs.	
ICO Primer LV FC	Pot Life	----	10 min.	9 min.	9 min.	
	Tack Free	----	18 hrs.	5 hrs.	2 hr.	
	Set Hard	----	30 hrs.	9 hrs.	4 hrs.	
ICO Primer FC	Pot Life	25 min.	20 min.	17 min.	----	
	Tack Free	16 hrs.	8 hrs.	2 hrs.	----	
	Set Hard	36 hrs.	24 hrs.	8 hrs.	----	
ICO Primer GL	Pot Life	----	60 min.	50 min.	25 min.	
	Tack Free	----	24 hrs.	8 hrs.	4 hrs.	
	Set Hard	----	48 hrs.	24 hrs.	10 hrs.	

Shelf Life 1 year at 77°F in unopened containers Maximum Hardness achieved after 7 days @77°F.

Packaging and Coverage Rates

	ICO Primer LV & LV FC	ICO Primer FC & GL
1 Gallon Kit	: 250 SF	200 SF
4 Gallon Kit	: 1000 SF	800 SF
100 Gallon Drum Kit	: 25,000 SF	20,000 SF

Installation

Please refer to our Installation Guide and Technical Bulletin #113 for detailed instructions. Particular care must be taken to follow those instructions precisely to assure proper installation. For application temperatures below 50°F, specify ICO-Primer FC.

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. If this is not possible, contact ICO Technical Service for further information.
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. The prepared surface should have a ph of 7.
3. Part A and B should be mixed in the prescribed ratio, using a low speed mixer (maximum 750 rpm), until uniform in color and consistency.
4. **ICO Primer LV** is a 100% solids epoxy and no solvents are necessary.
5. Apply the mixed material with a medium nap roller, squeegee or brush. Apply at approximately 200-250 SF per gallon, depending on surface porosity.
6. Reprime any dry appearing areas.
7. For applications down to 50°F, where quick turnaround times are necessary, use **ICO Primer LV FC**. For application temperatures between 32°F and 50°F, use **ICO Primer FC**. For vertical applications, use either **ICO Primer GL or FC**.
8. The window for application over the dry primer is the "set hard" times listed above. If exceeded, the primer must be sanded prior to coating. Alternatively, the primer can be seeded with silica sand to provide a textured finish and hence, a prolonged "open" time.

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 LV** 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.