

ICO-FLOOR COATING SY™

Product Description

ICO Floor Coating SY™ is a two part, 100% solids epoxy coating designed for use as a safety striping material. Available in a safety yellow or green, royal blue or cherry red, it is normally applied in one coat at 15 mils. It dries to a high gloss finish in as little as 3-4 hours at 75°F, using our "XFC" version. Use of special fillers enhances the abrasion resistance, enabling this material to far outlast conventional line striping.

Typical Application

ICO Floor Coating SY™ is normally used to provide permanent line striping or safety island coatings. For enhanced cleanup a clear top coat of **ICO Sealer** is recommended.

Chemical Resistance

ICO-Floor Coating SY™ is recommended for areas subject to such chemicals as battery acids, Skydrol, caustics, gasoline, brake fluids and some solvents. A complete chemical resistance guide can be found in the **International Coatings Chemical Resistance Chart** under "ICO FLOOR".

Physical Properties

Hardness, Shore D(ASTM D-2240)	: 78
60° Gloss	: 80
Gardner Impact Strength	: 80 inch pounds
Bond Strength to Concrete	: >400 psi (concrete fails)
Taber Abrasion (D-1044)	: 60 mg loss
cs17, 1000g, 1000 cycles	

Physical Characteristics (Unless otherwise designated , all data are for regular cure)

Density, lbs/gal.	Mixing Ratios	ICO Floor Coating SY™			
		By Vol	By Wgt		
Pt. A : 15.1	Pt. A : Pt. B, RC	3.2:1	5.6:1		
Pt. B : 8.5	Pt. A : Pt. B, FC	2.9:1	5.3:1		
A&B Mixed : 13.6	Pt. A : Pt. B, XFC	5.9:1	10.2:1		
Viscosity@77°F, cps	Curing Times@	32°F	50°F	77°F	90°F
Pt. A : 6,400	ICO Floor Coating, SY				
Pt. B : 520	Pot Life	---	60 min.	40 min.	20 min.
A&B Mixed : 3,240	Hard, Foot Traffic	---	24 hrs.	10 hrs.	6 hrs.
	ICO Floor Coating, SY, FC				
	Pot Life	---	20 min.	15 min.	---
	Hard, Foot Traffic	---	18 hrs.	6 hrs.	---
	ICO Floor Coating , SY, XFC				
	Pot Life	20 min.	15 min.	10 min.	---
	Hard, Foot Traffic	24 hrs.	12 hrs.	3 hrs.	---

Shelf Life: 1 year at 77°F in unopened containers.

Maximum hardness and chemical resistance are achieved after 7 days at 77°F

Color Availability

Safety Yellow, Safety Green, Cherry Red, Royal Blue.

Packaging and Coverage Rates

1 Quart Kit : 75 LF, 4" stripe, 25 SF @16 mils
1 Gallon Kit : 300 LF, 4" stripe, 100 SF @ 16 mils

Installation

Please refer to our Installation Guide for detailed instructions. Particular care must be taken to follow those instructions precisely to assure proper installation. For application temperatures between 32°F and 50°F, use ICO-Floor Coating SY XFC.

1. New concrete should be allowed to cure a minimum of 28 days and/or be checked with a rubber mat or plastic sheet to ensure adequate curing time has occurred.
2. All surfaces to be covered should be clean, abraded (to at least a 40 grit sandpaper finish) and free of grease, oils and other contaminants. All old paint should be removed.
3. For striping, tape both sides of the designated area prior to application.
4. Mix Part A first for at least 1 minute to thoroughly disperse the inert fillers which might have settled. Add Part B and mix for another 30-60 seconds with a helical blade until color is uniform.
5. No priming is necessary unless the concrete is unusually porous, in which case ICO Primer LV FC can be applied and allowed to dry tack free.
6. Apply ICO Floor Coating SY™ with a brush or 1/4"-3/8" nap roller at a coverage rate of 100 SF/gallon. Make sure the mix is kept well stirred to avoid excessive settling of the fillers. Note: for "XFC" version, we recommend using only a small quantity at a time and if possible, pour out onto floor in a ribbon fashion to prolong the pot life.
7. An anti-slip texture can be achieved by broadcasting in suitable sand, preferably 30-36 grit.
8. Remove tape **before** the coating has cured.

Precautions

Avoid skin contact with liquid Part A and Part B as they may cause skin irritation to some people. Protective hand cream and/or gloves should always 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-Floor Coating SY™ as manufactured by International Coatings, Franklin Park, Illinois. The material shall be installed by precisely following the manufacturer's published recommendations pertaining to surface preparation, mixing and application. The material shall be a 100% solids, odorless epoxy with no toxic byproducts. The material must adhere to either damp or dry surfaces of 400 psi (concrete fail first). The film hardness should be a Shore D 78 and shall have a Taber Abrasion Reading of 60mg. It shall be applicable in a single pass to a minimum of 15 mils DFT. It shall resist chemical attack for up to seven days from such chemicals as Skydrol, 20% sulfuric acid, caustics and bleach.

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 doing so, 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 numerous 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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