

ICO-COAT PIGMENTED

Product Description

ICO Coat Pigmented is a 100% solids, two-part epoxy floor coating designed to protect concrete and other masonry surfaces. It is normally applied by brush, roller or spray at about 160-200SF/Gallon, or 8-10 mils, per coat but can be applied anywhere from 20-30mils thick per coat (for broadcast systems) down to about 5mils thickness. It dries to a high gloss finish that eliminates the need for waxing. Unlike our other, more flexibilized epoxy coatings, **ICO Coat Pigmented** is a somewhat harder material designed to compete with conventional epoxies on large flooring areas where cost is of utmost importance.

ICO Coat Pigmented is available in 4 gallon kits, 20 gallon bulk packs and 100 gallon drum kits - in all our standard colors. It can be applied down to 50° F.

Product Applications

ICO Coat Pigmented is ideal for large warehouses, plant aisle ways, and general institutional and commercial applications where a high light reflective, low maintenance floor is required. Resistant to most oils, fuels, battery acids, and common detergents, it is commonly used in auto service centers, auto assembly plants, machine shops and plastic fabrication facilities. It can transform existing slick walkways, aisle ways and ramps into a safe, durable surface by broadcasting in of a suitable aggregate.

As a harder material, **ICO Coat Pigmented** is a well suited for ground epoxy terrazzo floors. It also makes an excellent bonding agent between an old slab and a new concrete cap. As an extra thick material, **ICO Coat XT Pigmented** is the base coat in our **ICO Flake** floors

Chemical Resistance

ICO Coat Pigmented has good chemical resistance to salts, caustics, low concentrations of most inorganic acids, oils, fuels and lubricants.

Physical Properties

| | | | |
|-------------------------------|------------------------------|------------------------------|--------------|
| Tensile Strength, ASTM D-638 | : 6600psi | Taber Abrasion, D-1044, CS17 | : 120mg loss |
| Tensile Elongation, D-638 | : 1.7% | Wheel, 1000g, 1000 cycles | : |
| Hardness, Shore D | : 80 | 60 Degree Gloss | : 85 |
| Bond Strength to Concrete | : >450psi (concrete failure) | | |
| Vapor Transmission Rate, E-96 | : 0.03perms | | |

Physical Properties

Density, lbs/gal.

| | |
|-----------|---------|
| Pt. A | : 12.55 |
| Pt. B | : 8.4 |
| A&B Mixed | : 11.4 |

Mixing Ratios

| | |
|--------------------------|--------|
| Pt. A : Pt. B, by volume | 2.5:1 |
| Pt. A : Pt. B, by weight | 3.75:1 |

Viscosity@77°F, cps

| | |
|-----------|--------|
| Pt. A | : 2000 |
| Pt. B | : 500 |
| A&B Mixed | : 1100 |

Curing Times @

| | <u>50°F</u> | <u>75°F</u> | <u>90°F</u> |
|---------------------|-------------|-------------|-------------|
| Pot Life | 50min | 30min | 20min |
| Working Time | 70min | 55min | 30min |
| Tack Free | 22hrs | 8hrs | 4hrs |
| Hard, Foot Traffic | 50hrs | 28hrs | 12hrs |
| Hard, Truck Traffic | 64hrs | 36hrs | 16hrs |

Note: Maximum Hardness and Chemical Resistance achieved after 7 day cure @ 70 °F

Color Availability

Light Gray (101), Med Gray (102), Tile Red (103), Beige (104), Yellow (105), Blue(106), Green(107) White and Black

Packaging and Coverage Rates

| | |
|---------------------|-------------|
| 4 Gallon Kit | : 640 SF |
| 20 Gallon Bulk Pack | : 3200 SF |
| 100 Gallon Drum Kit | : 16,000 SF |

Shelf Life

One year at storage temps between 60°-80°F in unopened containers.

Installation Please refer to our Application Specs for detailed instruction. Particular care must be taken to follow those instructions to assure proper installation.

1. New concrete should be allowed to cure a minimum of 28 days and/or checked with a rubber mat or plastic sheet to insure adequate cure times.
2. All surface to be covered should be shot blasted, scarified, sand blasted and/or acid etched to obtain a clean, sound abraded substrate (60-80 grit for thin film; 40grit for broadcast systems).
3. No priming is necessary, unless concrete is damp, in which case **ICO Primer LV or LV FC** should be applied and allowed to dry tack free..
4. The ingredients should be mixed in the prescribed ratios, using a low speed jiffy-style blade mixer at maximum rpm of 750. Mix Part A for 30-60 seconds, then add Part B and mix for another 30-60 seconds, or until uniform in color and consistency.
5. Apply contents onto floor in a ribbon pattern immediately after mixing to optimize working time, then spread to the desired coverage rate with a notched rubber squeegee, followed by back rolling with a fine nap roller.
6. Apply a second coat when dry enough to walk on, but do not wait longer than the dry hard fork truck traffic time listed; otherwise, the floor must be re-sanded prior to recoating.
7. A suitable aggregate can be broadcast into the bottom coat to provide a more antislip profile. For more uniform distribution, back roll after broadcasting. It is advisable to test various types and sizes of aggregate beforehand to achieve the desired profile.

NOTE: Failure to follow the above instruction, unless expressly authorized by an ICO Technical Service Representative, will void our material warranty.

Precautions

1. Do not apply below 50°F
2. Recoat window without sanding at 70°F: 36 hours

Product Specification

The specified area shall receive an application of **ICO Coat Pigmented** as manufactured by **International Coatings, Inc.** of Franklin Park, IL. The material shall be installed by precisely following the manufacture's published recommendations pertaining to preparation, mixing and installation. The material shall be low odor, solvent-free, 100% solids two part epoxy with a high gloss of 90 (60 deg). The system must adhere to concrete, metal and wood surfaces. It shall have a minimum tensile strength as measured by ASTM D-638 of 6600psi and tensile elongation of 1.7%. It shall have a maximum hardness of Shore D 80. It shall resist chemical attack for at least seven days from fuel oils, caustics, salt, and battery acids.

Mission Statement

Our mission is to provide our customers the highest possible quality products and services and by so doing, build long term relationship 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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