



ICO-COAT PIGMENTED

Product Data Sheet

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 considerations are more critical.

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.

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 6040	: 60mg 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.		Mixing Ratios	
Pt. A	: 12.55	Pt. A : Pt. B, by volume	2.5:1
Pt. B	: 8.4	Pt. A : Pt. B, by weight	3.75:1
A&B Mixed	: 11.4		

Viscosity@77°F, cps		Curing Times @			
			50°F	75°F	90°F
Pt. A	: 2000	Pot Life	35min	18min	8-10min
Pt. B	: 500	Working Time	70min	25min	8-10min
A&B Mixed	: 1100	Tack Free	18hrs	5hrs	3hrs
		Hard, Foot Traffic	32hrs	20hrs	7hrs
		Hard, Truck Traffic	42hrs	24hrs	10hrs

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

Color Availability

Light Gray (101), Dark Gray (102), Tile Red (103),
Beige (104), Yellow (105), Blue(106), Green(107)
White and Black **NO CUSTOM COLORS AVAILABLE**

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 a Milamar Technical Service Representative, will void our material warranty.

Precautions

1. Do not apply below 50°F
2. Recoat window without sanding at 70°F: 24 hours

Product Specification

The specified area shall receive an application of **ICO Coat Pigmented** as manufactured by **Milamar Coatings LLC. , Inc. of Oklahoma City, Oklahoma**. 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°). 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.

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.



311 NW 122nd St, #100 Oklahoma City, OK 73114
800.459.7659
www.milamar.com

