



**Resilient  
Epoxy  
Flooring  
and  
Grouting  
Systems**

# PRODUCT DATA SHEET

## ICO URE-GUARD 60™

### Product Description

ICO URE-Guard 60™ is a two component polyester based, aliphatic polyurethane coating that exhibits excellent weather resistance, UV stability, chemical resistance, flexibility and abrasion resistance characteristics. Applied by brush, roller, or spray at typical rates of 320-500 SF per gallon, yielding a dry film thickness (DFT) of 2-3 mils, Ure-Guard 60 dries to a high gloss, easy-to-clean finish.

ICO URE-Guard 60™ has good chemical resistance to mild acids, caustics, and some solvents. It is also quite resistant to tire staining, making it a suitable top coat in airplane hangers and auto dealers. When coupled with excellent impact resistance, flexibility and adhesion it is the ideal finish coat for many applications requiring exceptional decorative appearance. ICO URE-Guard 60 is available in some of our standard colors as well as a clear sealer.

### Typical Application

ICO URE-GUARD 60™ is an ideal finish coat over epoxy coatings requiring increased UV resistance. It is recommended for auto service centers, warehouses, computer rooms, laboratories, aircraft hangers, cafeterias, indoor or outdoor service.

### Chemical Resistance

	Reagent	Rating		Reagent	Rating
<b>Acids</b>	Acetic 5%	S	<b>Solvents</b>	Methyl Ethyl Ketone	NR
	Hydrochloric 10%	S		Ethyl Alcohol	NR
	Lactic 10%	S		Kerosene	S
	Nitric 20%	S		Ethylene Glycol (Antifreeze)	S
	Sulfuric Acid , 35%	S		Skydrol	OS
<b>Caustic</b>	Sodium Hydroxide 10%	S			

**Key:** NR - Not Recommended  
I - Immersion - at least 30 days

R - Recommended - up to 7 days  
S - Short Term Resistance - up to 72 hours

OS - Occasional Spillage - up to 24 hours

### Physical Properties

Gardner Impact Strength : 160 inch pounds  
Vapor Transmission Rate ( ASTM E-96) : .03 perms  
Taber Abrasion (ASTM D-1044), CS17,  
1000 g, 500 cycles : 24.0 mg loss.

Tensile Strength (ASTM- D-638) : 180 psi  
Elongation (ASTM D-638) : 230%  
Hardness, Shore A (ASTM D-2240) : 25  
Adhesion to concrete (elcometer) : 360 psi  
60° Gloss : 80-100

### Physical Characteristics (Unless otherwise designated, all data are for gray)

Viscosity @ 77°F, cps	Mixing Ratios	By Weight	By Volume
Pt. A :1520	Pt. A : Pt. B	2:1	2 :1
Pt. B :520	<b>Curing Times @</b>		<b>70°F</b>
A&B Mixed :1000	ICO-Ure Guard 60, Pot Life		2 – 4 hrs
<b>Density, lbs/gal.</b>	ICO-Ure Guard 60, Dry to Touch		3 – 5 hrs
Pt. A	ICO-Ure Guard 60, Re-coat		5 - 9 hrs
Color : 9.10	ICO-Ure Guard 60, Light Foot Traffic		14 – 24 hrs
Clear : 8.25	ICO-Ure Guard 60, Heavy Traffic		3 – 5 days
Pt. B : 8.50			
A&B Mixed			
Color : 8.90	<b>Product Storage:</b> Store product at normal room temperature between 60-90 °F in unopened containers.		
Clear : 8.33	Maximum hardness and chemical resistance are achieved after 7 days at 77°F		

### Color Availability

Standard colors: gray, dark gray, beige, red and clear.

**Shelf Life:** 6 months in unopened containers.

### Packaging and Coverage Rates (Theoretical)

3 Gallon Kit : 1200 SF at 2-3 mils DFT  
15 Gallon Kit : 6000 SF at 2-3 mils DFT

## ***Installation***

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

1. Apply **ICO URE-Guard 60** over a dry, clean, lightly abraded substrate.
2. No priming is necessary on aged concrete of average porosity. If dampness is suspected, on new concrete or old concrete with an open porosity and on wood surfaces apply **ICO Primer LV** or **ICO Primer LV FC** to help prevent outgassing, bubbling and pinholing from escaping entrapped air.
3. **ICO URE-Guard 60** makes an excellent topcoat when applied over tack free, clean, dry **ICO Primer LV**, **ICO Floor Coating**, or **ICO Sealer**. Coatings cured more than 24 hours should be lightly sanded. If base coats have blushed due to temperature or humidity wash with soap and water rinse before sanding.
4. Mixing: Mix in clean containers, 2 gallons of Part A to 1 gallon of Part B. Mix well with a slow speed (<750 rpm) jiffy mixer until streak free. Avoid whipping air into the coating.
5. Mixed material may be applied by brush, roller, or spray. Read MSDS prior to application. Use 3/8" short nap, phenolic core rollers. Spray equipment: see Technical Bulletin 134.

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

## ***Precautions***

1. **Must be applied at least 5 degrees above the dew point**
2. **Do not apply below 45°F**
3. **Do not apply in thickness greater than 4 mils wet, 2.5 mils dry (400SF/gallon) per pass**
4. **Recoat window without sanding at 70°F : 24 hours**
5. **Do not apply over damp concrete**

## ***Product Specification***

The specified area shall receive an application of **ICO URE-Guard 60** as supplied 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 60% solid, two part polyurethane coating with enhanced resilience to resist thermal and mechanical shock. The system must adhere to concrete, metal and wood surfaces, as well as well-bonded epoxy and urethane coatings. It shall have an elongation of 230% when tested using ASTM D-638. The film hardness shall be a Shore A of 25 and shall have a Taber abrasion of 24 mg at 1000 grams, 500 cycles, using a CS17 wheel.

## ***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.

---



2925 Lucy Lane • Franklin Park, IL 60131 • 847.451.0279 • 800.624.8919 • FAX 847.451.0379

[www.InternationalCoatings.com](http://www.InternationalCoatings.com)