



# Epoxy Coat™ 7000 Non-VOC

- Description:** A 100% solids, 2-component, self-leveling, high impact, high abrasion floor coating with a chemical-resistant finish
- Intended Use:** For Industrial Use: Ideal floor coating for smooth or mildly spalled concrete (for high gloss finish); rebuild floors; protect floors from chemical attack.
- Features:**
  - Extremely durable**
  - Produces a level, high-gloss finish**
  - High build (8-10 mils) (0.20-0.25 mm)**
- Limitations:** Suitability of product is determined by the end user for their application and process. Not recommended for outdoor use

Technical data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties:	Cured 7 Days @ 75°F (24°C)	Typical Values	Standard Tests
		Hardness	85 Shore D
	Solids by Volume	100%	
	Temperature Resistance	Wet: 110°F (43°C); Dry: 180°F (82°C)	
	Uncured Properties @ 72°F (23°C)		
	Application Temperature	55-90°F (13-32°C)	
	Coverage (8 mils / 0.203 mm)	18.31 ft <sup>2</sup> /lb (3.75 m <sup>2</sup> /Kg)	
	Color	Light Grey	
	Cure Time	Foot traffic, 24hrs., full serv., 48hrs	
	Functional Cure	24 hrs.	
	Minimum Recoat Time @ 75F	10-12 hrs.	
	Mix Ratio	3.2:1 by w.t; 2.1:1 by volume	
	Mixed Viscosity	2,000 cP	
	Packaging	2 Gal/22.6 lb (7.5L/10kg)	
	Pot Life @ 75°F (24°C)	55 min.	

**Surface Preparation:** For METAL SURFACES, use a wire brush or sandpaper to remove rust and scale from the surface to be protected. Surfaces may be shot blasted or abraded using a wire wheel for best results. All dirt, grease, and old paint should be removed. A clean dry surface is essential for best results.

Begin with a sound, clean, dry and roughened, oil-free application surface, as it is essential to the success and performance of this product.

Spot test surface by mixing a small quantity of the resin and hardener without the silica filler. Apply the compound to a small clean test area. Old paint may wrinkle or lift. If it DOES NOT, wait five (5) days and test the bond strength by scraping the surface with a sharp instrument. A pressure-sensitive tape test can also be used as follows: cut an "X" into the surface and place tape firmly over the cut. Remove the tape with a hard, fast pull. If the coating fails either test, proceed with instructions for previously coated concrete (see below).

NEW POURED CONCRETE, allow to fully cure (28 days @ 70°F (21°C)) prior to application. Remove any curing membrane by sanding or etching with a strong detergent.

OLD CONCRETE, thoroughly clean surface with a grease-cutting detergent to remove grease and oils, and remove any loose or unsound concrete by chipping, scarifying, shotblasting, sanding, or grinding. Proceed as for new poured concrete.

For PREVIOUSLY COATED CONCRETE, applications should be considered short term because the coating system is only as strong as its weakest component. Remove any peeling or degraded paint by sanding or using a paint stripper. For intact paint, thoroughly clean the surface with a strong detergent, then lightly sand to remove any gloss. Treat any areas worn down to the original concrete as bare concrete.

- Mixing Instructions:**
  1. Pour hardener into resin.
  2. Mix for about three (3) minutes using a propeller-type Jiffy Mixer Model ES (or equivalent) until a uniform color is achieved.

**Application Instructions:** For best results, Epoxy Coat 7000 Non-VOC should be stored and applied at room temperature.

PRIOR TO APPLICATION:

1. Fill large holes with a patching compound (Devcon Floor Patch or Devcon Ultra Quartz is recommended).
2. Prime floor surface with a 6-8 mil coating of Devcon Epoxy Concrete Sealer to seal porous concrete and prevent "outgassing." After 4-6 hours, the primer coat can be top coated with Epoxy Coat 7000 Non-VOC.

**APPLICATION:**

Apply Epoxy Coat 7000 Non-VOC onto floor with a notched squeegee, then "back roll" for a smooth finish (a 3/8 or 1/2 in (9.5 to 12.7 mm) roller is recommended for best results). Coverage will vary based on surface conditions.

After applying the first coat, the need for a second coat can be assessed based on floor condition and end user's objectives. When applying a second layer, the minimum recoat time recommendation is 8-10 hours.

Epoxy Coat 7000 Non-VOC produces a smooth finish, which can be slippery, especially when wet. To prevent slipping, add a non-skid aggregate, such as ground walnut shells or dry sand, to the coating.

**Storage:** Store at room temperature, 70°F (21°C).

**Compliances:** Approved in the U.S. for use in meat and poultry processing plants.  
Accepted by Canadian Department of Agriculture Food Safety Service.

**Chemical Resistance:** Chemical resistance is calculated with a 7-day, room temp. cure (30 days immersion) @ 75°F (24°C)

1,1,1-Trichloroethane	Very good
Ammonium Hydroxide 20%	Excellent
Cutting Oil	Very good
Gasoline (Unleaded)	Very good
Hydrochloric 10%	Very good
Hydrochloric 36%	Poor
Methanol	Poor
Methyl Ethyl Ketone	Fair

Methylene Chloride	Very good
Nitric 10%	Very good
Phosphoric 10%	Very good
Phosphoric 50%	Poor
Potassium Hydroxide 40%	Excellent
Sodium Hydroxide 50%	Excellent
Sodium Hypochlorite	Very good
Sulfuric 10%	Very good

**Precautions:** **FOR INDUSTRIAL USE ONLY:** Please refer to the appropriate Safety Data Sheet prior to using this product.

**Warranty:** ITW Performance Polymers will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.

**Order Information:**

<u>Item No.</u>	<u>Package Size</u>
12710	2 gal.
12500	10 Kg

**Contacts:** [www.itwpp.com](http://www.itwpp.com)

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