



A brand of ITW Polymers Adhesives North America

## Technical Data Sheet

6/19/2012

# Epoxy Coat™ 7000 Non-VOC

<b>Description:</b>	A 100% solids, 2-component, self-leveling, high impact, high abrasion floor coating with a chemical-resistant finish
<b>Intended Use:</b>	Ideal floor coating for smooth or mildly spalled concrete (for high gloss finish); rebuild floors; protect floors from chemical attack
<b>Product features:</b>	<b>Extremely durable</b> <b>Produces a level, high-gloss finish</b> <b>High build (8-10 mils)</b>
<b>Limitations:</b>	Not recommended for outdoor use

**Typical Physical Properties:**

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

**Cured 7 days @ 75° F**

<b>Application Coverage per Unit</b>	<b>400 sq.ft. @ 8 mils.</b>
<b>Application Temperature</b>	<b>55-90°F</b>
<b>Color</b>	<b>Light Grey</b>
<b>Cure Hardness</b>	<b>85D</b>
<b>Cure Time</b>	<b>Ft.traffic, 24hrs.,full serv.,48h</b>
<b>Functional Cure</b>	<b>24 hrs.</b>
<b>Minimum Recoat Time @ 75F</b>	<b>10-12 hrs.</b>
<b>Mix Ratio</b>	<b>3.2:1 by wt; 2.1:1 by volume</b>
<b>Mixed Viscosity</b>	<b>2,000 cps.</b>
<b>Packaging</b>	<b>2 gal. /22.6 lbs.</b>
<b>Pot Life @ 75F</b>	<b>55 min.</b>
<b>Solids by Volume</b>	<b>100</b>
<b>Temperature Resistance</b>	<b>Wet: 110°F; Dry: 180 °F</b>

**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. All clean dry surface is essential for the 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 surface with a sharp instrument. A pressure-sensitive tape test can also be used as follows: cut an "X" into 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).

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

For 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" nap roller is recommended for best results). Coverage will vary based on surface conditions.

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.

**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)*

1,1,1-Trichloroethane	Very good	Methylene Chloride	Very good
Ammonium Hydroxide 20%	Excellent	Nitric 10%	Very good
Cutting Oil	Very good	Phosphoric 10%	Very good
Gasoline (Unleaded)	Very good	Phosphoric 50%	Poor
Hydrochloric 10%	Very good	Potassium Hydroxide 40%	Excellent
Hydrochloric 36%	Poor	Sodium Hydroxide 50%	Excellent
Methanol	Poor	Sodium Hypochlorite	Very good
Methyl Ethyl Ketone	Poor	Sulfuric 10%	Very good

**Precautions:**

Please refer to the appropriate material safety data sheet (MSDS) prior to using this product.

**For technical assistance, please call 1-800-933-8266**

**FOR INDUSTRIAL USE ONLY**

**Warranty:**

Devcon 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.

**Disclaimer:**

All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Devcon makes no representations or warranties of any kind concerning this data.

**Order Information:**

**12710 2 gal.**