



TECHNICAL DATA SHEET – EPOXY COAT 7000

Revised: 05/2018

A 100% SOLIDS, 2-COMPONENT, SELF-LEVELLING, HIGH IMPACT, HIGH ABRASION FLOOR COATING

ORDERING INFORMATION

STOCK NO.: 12500

PACKAGE SIZE: 10kg

DESCRIPTION

A 100% solids, 2-component, self-levelling, high impact, high abrasion floor coating with a chemical-resistant finish.

RECOMMENDED APPLICATIONS

- Ideal floor coating for smooth or mildly spalled concrete (for high gloss finish);
- Rebuilding floors
- Protecting floors from chemical attack

APPROVALS

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

PRODUCT DATA

TYPICAL PHYSICAL PROPERTIES

COLOUR	LIGHT GREY
MIX RATIO BY VOLUME	2.1: 1
MIX RATIO BY WEIGHT	3.2 : 1
% SOLIDS BY VOLUME	100
POT LIFE AT 25°C/ MINS	40
SPECIFIC VOLUME CC/KG	746
CURED SHRINKAGE CM/CM	N/A
DENSITY G/CM ³	1.34
TEMPERATURE RESISTANCE / °C	Wet 50°C Dry 80°C
COVERAGE	5.0m ² /L @ 0.20mm
CURED HARDNESS / SHORE D	85
DIELECTRIC STRENGTH KV/MM	N/A
ADHESIVE TENSILE SHEAR / MPA	N/A
COMPRESSIVE STRENGTH MPA	N/A
COEFFICIENT OF THERMAL EXPANSION X10 ⁻⁶ CM/CM/°C	N/A
THICKNESS PER COAT / MM	0.20mm
FUNCTIONAL CURE TIME / HOURS	24
RECOAT TIME / HOURS	10-12
MIXED VISCOSITY / CPS (WHERE APPLICABLE)	2000

CHEMICAL RESISTANCE - 7 DAYS ROOM TEMPERATURE CURE (30 DAYS)

	POOR	FAIR	VERY GOOD	EXCELLENT
AMMONIA				•
CUTTING OIL			•	
ETHYL ALCOHOL	•			
GASOLINE (UNLEADED)			•	
HYDROCHLORIC ACID 37%			•	
METHYL ETHYL KETONE (MEK)	•			
METHYLENE CHLORIDE			•	
SODIUM HYPOCHLORITE 5% (BLEACH)			•	
SODIUM HYDROXIDE 50%				•
SULPHURIC ACID 98%			•	
XYLENE			•	

Excellent = +/- 1% weight change, Very Good = +/- 1-10% weight change, Fair = +/- 10-20% weight change, Poor = > 20% weight change

APPLICATION INFORMATION

EPOXY COAT™ 7000

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 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).

NEW POURED CONCRETE: allow to fully cure (28 days @ 70°F) prior to application. Remove any curing membrane and laitance by wet or dry abrasive blasting, high pressure water jetting or sanding. An environmentally safe acid etch is also suitable.

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, shot blasting, sanding, or grinding. Proceed as for new poured concrete.

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, and then lightly sand to remove any gloss. Treat any areas worn down to the original concrete as bare concrete.

Devcon Concrete Sealer 100 or Epoxy Concrete Sealer can be applied to shot-blasted or etched concrete surfaces to seal prior to the application of other Devcon Floor Savers™ products although it is not essential.

MIXING

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

APPLICATION

For best results, Epoxy Coat 7000 should be stored and applied at room temperature.

PRIOR TO APPLICATION: Fill large holes with a patching compound (Devcon Floor Patch or suitable repair product leaving to cure for the required time).

APPLICATION: Apply Epoxy Coat 7000 Non-Voc onto floor with a notched squeegee, then “back roll” for a smooth finish (a medium nap roller is recommended). Coverage will vary based on surface conditions. Epoxy Coat 7000 produces a smooth finish, which can be slippery, especially when wet. To prevent slipping, add a non-skid aggregate to the coating (Devcon Safe-T-Grit is recommended).

SHELF LIFE & STORAGE

A shelf life of 2 years from date of manufacture can be expected when stored at room temperature.

PRECAUTION

For complete safety and handling information, please refer to Material Safety Data Sheets 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.

DISCLAIMER

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

For product information visit www.devconeurope.com alternatively for technical assistance please call +353 61 771 500.