



## PRODUCT DATA

# WEARCOAT 1080

Coatings For Industry, Inc. • 319 Township Line Road, Souderton, PA 18964 / 215-723-0919

### Description

Two component, 100% solids, moisture vapor tolerant epoxy primer.

### Colors

Clear

### Packaging

5 gallon kits and 1 gallon kits.

### Uses

Wearcoat 1080 is excellent for use on mechanically prepared or acid etched concrete floors for lowering the moisture vapor pressure prior to applying standard coatings. Wearcoat 1080 will withstand up to 16 lbs/sq.in. of vapor pressure by penetrating into the concrete surface and chemically enhancing the substrate to reduce the effects of vapor transmission.

### Technical Data

Number of Coats:	One, minimum
Volume Solids:	100%
Theoretical Coverage Rate:	160 sq.ft/gallon @ 10 mils DFT
Minimum Dry Film Thickness:	10 mils per coat
Drying Time @ 70°F & 50% R.H.:	Recoat: 9 hrs. min., 48hrs. max.
Thinners:	No thinning recommended
Cleaner:	CFI 704 Cleaner
Minimum Application Temperature:	55 °F.
Pot Life @ 70 °F. & 50% R.H.:	35 minutes
Shelf Life:	One year if unopened
Induction Time:	None

### Surface Preparation

All surfaces should be cleaned of all oil, grease, and dirt. Concrete surfaces must be etched or blasted in accordance with normal surface preparation recommendations for concrete floors as outlined in ASTM D-4258, ASTM D-4259, ASTM D-4260, ASTM D-4262.

Apply to clean, dry surfaces. Remove all dirt and oil residues with a suitable cleaner.

Old coatings should be removed by chipping, sandblasting, or grinding.

New Concrete: Concrete should have a minimum of 3000 psi at the surface when tested with a schmidt hammer.

All efflorescence and laitance should be removed by acid etching, sandblasting, or grinding. Acid etching is usually fastest and easiest, and can be done by using a mixture of 20% muriatic acid.

Proper caution should be exercised, and protective clothing, rubber gloves, and goggles must be worn when working with the acid etching mixture.

The acid should be removed before it dries, by flushing with water until the ph of the concrete is between 6 and 7. The floor must be completely dry.

Vapor Pressure: If vapor pressure exceeds 16 lbs./sq.in., consult a sales representative before proceeding.

### Application

Concrete should be dry and surface temperature should be at least 55 °F.

Pour Component B (hardener) into Component A (resin). (the resin container has room to allow for hardener and stirring.)

Stir at low speed to prevent air entrapment for 2 to 5 minutes (base mixing time on temperature and viscosity), using an "in-the-bucket" mixer, or jiffy mixer. Thorough mixing is required. Scrape sides and bottom of container to insure full blending.

Immediately pour a substantial amount of coating onto the floor and spread evenly using a flat squeegee. Immediately backroll with a quality 3/8" nap roller leaving 9 to 11 mils on the surface.

Wearcoat 1080 can be topcoated in as little as 9 hours and must be tack-free before topcoating. If pinholes or porosities are evident after initial cure of primer, repriming may be necessary, especially on very porous concrete.

#### **Precautions**

Wear gloves. **May Cause Skin Irritation. HARMFUL OR FATAL IF SWALLOWED. COMBUSTIBLE.**

**Vapor Harmful, Eye Irritant.** If swallowed, do not induce vomiting. Call physician immediately. Avoid prolonged contact with skin, do not breathe vapor or spray mist. In case of contact with eyes, flush repeatedly with water and contact physician.

Use with adequate ventilation. In confined areas, use adequate forced ventilation during application and drying. In areas where there is a minimum of air movement, fresh air masks should be used.

Refer also to material safety data sheet.

### FOR INDUSTRIAL USE ONLY.

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Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective at the time the sealed container is first opened, and in no event beyond the shelf life date printed on the label. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith.

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