



## Technical Data Sheet

4/14/2018

# Floor Grip™

**Description:** A 2-component, heavy-duty epoxy compound containing silicon carbide granules for anti-skid protection

**Intended Use:** Ideal anti-skid coating used in walkways; ramps; loading docks, and stairs.

**Product features:**

- Applies at temperatures as low as 40°F**
- Reduces slipping accidents**
- Adheres to concrete, wood, steel, brick, aluminum, and wet surfaces**
- Bonds to damp surfaces**
- Non-corrosive hardener**

**Limitations:** None

**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>80 sq.ft. @ 16 mils</b>              |
| <b>Application Temperature</b>       | <b>40°-90°F</b>                         |
| <b>Color</b>                         | <b>Black</b>                            |
| <b>Cure Hardness</b>                 | <b>85D</b>                              |
| <b>Cure Time</b>                     | <b>Ft.traffic, 8hrs., full serv.24h</b> |
| <b>Functional Cure</b>               | <b>24 hrs.</b>                          |
| <b>Minimum Recoat Time @ 75F</b>     | <b>8-10 hrs.</b>                        |
| <b>Mix Ratio</b>                     | <b>2.2:1 by volume, 2.8:1 by wt.</b>    |
| <b>Mixed Viscosity</b>               | <b>2,000 cps</b>                        |
| <b>Packaging</b>                     | <b>2 gal. /25 lbs.</b>                  |
| <b>Pot Life @ 75F</b>                | <b>50 min.</b>                          |
| <b>Solids by Volume</b>              | <b>100</b>                              |
| <b>Temperature Resistance</b>        | <b>Wet: 120°F; Dry: 250°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:**

1. Mix resin and hardener together.
2. Using a 3/8" or 1/2" roller, apply mixed product to a small section of floor at a thickness of 8-10 mils (base coat).
3. Sprinkle silicon granules over the surface.
4. Back roll the granules to anchor into the epoxy.
5. Brush away excess granules after Floor Grip has cured for 24 hours.

**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*

|                      |           |
|----------------------|-----------|
| Ammonia              | Very good |
| Chlorinated Solvent  | Very good |
| Hydrochloric 10%     | Very good |
| Kerosene             | Excellent |
| Methanol             | Poor      |
| Sodium Hydroxide 10% | Excellent |
| Sulfuric 10%         | Very good |
| Toluene              | Very good |

**Precautions:**

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

**For technical assistance, please call 1-855-489-7262**

**FOR INDUSTRIAL USE ONLY**

**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.

**Order  
Information:**

**13090 2 gal.**