



# FC-2100

## 100% SOLIDS SELF LEVELING EPOXY TOPCOAT

# TECHNICAL DATA SHEET

### DESCRIPTION:

A 100% solids, self-leveling, epoxy concrete coating that provides a smooth uniform surface over primed concrete, that is either new, or that has been exposed to years of mechanical and chemical abuse.

### USES:

Freda FC-2100 is especially suited for application in production areas, show rooms, and high traffic aiseways that require a high film build system. FC-2100 will provide an abrasion resistant, wet look finish to your facilities floor.

### ANCILLARY PRODUCTS:

**Primers:** WBE-400 or 500 Series @ 3 mils dft  
FC-1100 @ 8-10 mils dft  
Freda EVB® @ 8-10 mils dft

**Crack Repair:** Freda CF-100 for filling structural cracks.  
Freda JS-200 for filling control and expansion joints.

**Application:** SS-024-NF Notched Squeegee  
SR-025-RC 1/4" Nap 18" roller cover  
SA-31-SS Epoxy spiked overshoes  
SM-012-MB Jiffy mixing blade  
SR-024-SR Porcupine Roller

### PACKAGING:

<u>Product Code</u>	<u>Container Size</u>	<u>Product Quantity</u>
400-2000-2(A)	3 gallon pail	2 gallons
400-2000-5 (A)	5 gallon pail	5 gallons
400-2000-55 (A)	55 gallon drum	55 gallons
400-2100-1 (B)	1 gallon can	1 gallon
400-2100-5 (B)	5 gallon pail	5 gallons
400-2100-55 (B)	55 gallon drum	55 gallons

When ordering pre-colored units please use the following procedure:

1. Check Freda master color chart for choice, ie. Tile Red #010
2. If ordering a 2 gallon unit of tile red, the product code would be: 400-2010-2
3. This product is not offered in pre-colored fifty-five gallon units.

### SURFACE PREPARATION:

Assure substrate to be coated is clean, dry, and in sound condition. All laitance, curing compounds, concrete hardeners, and other surface contaminants must be removed.

Shot-blast or acid etch areas to be coated. Refer to Freda Surface Preparation Bulletin for detailed recommendations.

### MIXING:

This product does have a potlife. Make sure that all aspects of the application process are in order and ready to proceed with product mixing.

**3 Gallon Units:** Stir contents of short filled Part A 3 gallon pail. Then add 1 gallon can of Part B Activator, mechanically mix for approximately for 2 minutes.

**5 Gallon Pails:** Stir contents of PART A 5 gallon pail. Mix by volume, 2 Parts Component A to 1 Part Component B Activator, mechanically mix for approximately 2 minutes.

### GENERAL PRODUCT INFORMATION:

<b>Mix Ratio:</b>	2 Parts Component A to 1 Part Component B
<b>Colors:</b>	All standard Freda Industrial colors. Available pre-colored in three gallon units and fifteen gallon units. FC-2100 may also be tinted with Freda 410 Series pigment dispersions. Special colors available upon request.
<b>Coverage:</b>	160 sf./gal @ 10 mils 80 sf./gal @ 20 mils
<b>Potlife:</b>	20 minutes @ 72°
<b>Cure Schedule:</b>	72° F @ 50% R.H. To touch: 6 Hours To recoat: 8 Hours Minimum 12 Hours Maximum Foot Traffic: 12 Hours Heavy Traffic: 72 Hours
<b>Shelf Life:</b>	<b>Component A</b> 3 months, unopened container. Contents may settle. Agitate contents prior to use. <b>Component B</b> 12 months, unopened container.
<b>Reducer:</b>	Not recommended

### GENERAL PRODUCT PERFORMANCE:

<u>Test Type</u>	<u>Test Method</u>	<u>Result</u>
Abrasion Resistance	ASTM D 4060	90 mg. max. weight loss
Flammability	ASTM D 635	Self extinguishing, .25 inches
Tensile Strength	ASTM D 638	6,700 psi

- Chemical resistant
- Self leveling
- Impact resistant
- Dry heat resistance: 195° F

### APPLICATION:

**FC-2100 must be applied to a primed substrate.**

To apply FC-2100, pour a bead in the form of ribbon to the area that is to be coated.

1. Spread coating uniformly using a notched squeegee.
2. Backroll using a 1/4" or 3/8" mohair roller.
3. Use a porcupine roller to release any excess outgassing.

### LIMITATIONS:

- This product is not recommended for exterior applications or immersion service.
- Do not apply this product at ambient or floor temperatures below 60° F or over 90° F  
or if the relative humidity is above 85%.