



FC-1100

100% SOLIDS EPOXY PRIMER/
BINDER-INTERMEDIATE

TECHNICAL DATA SHEET

DESCRIPTION:

A medium viscosity, 100% solids, self-leveling or penetrating, epoxy concrete primer-intermediate coating. FC-1100 should be applied as a primer on new, cured concrete, or concrete that has been mildly spalled. FC-1100 also serves as an excellent intermediate when applying polyurethane finish coats.

USES:

Freda FC-1100 is especially suited as a high build primer system when no odor or V.O.C is allowed. Also, FC-1100 can be filled with Freda 7010 blend silica sand for slurry coat applications that require high film build. This product also provides superior intercoat adhesion properties.

ANCILLARY PRODUCTS:

Primers: WBE-400 or 500 Series @ 3 mils dft
FC-1100 @ 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-SF Flat edge Squeegee
SR-025-RC 1/4" Nap 18" roller cover
SA-31-SS Epoxy spiked overshoes
SM-012-MB Jiffy mixing blade

PACKAGING:

<u>Product Code</u>	<u>Container Size</u>	<u>Product Quantity</u>
400-1000-2(A)	5 gallon pail	2 gallons
400-1000-5 (A)	5 gallon pail	5 gallons
400-1000-55 (A)	55 gallon drum	55 gallons
400-1100-1 (B)	3 gallon pail	2 gallons
400-1100-5 (B)	5 gallon pail	5 gallons
400-1100-55 (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: 400-1010-2
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.

4 Gallon Units: Stir contents of short filled Part A 5 gallon pail. Then add 2 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, 1 Parts Component A to 1 Part Component B Activator, mechanically mix for approximately 2 minutes.

GENERAL PRODUCT INFORMATION:

Mix Ratio:	1 Part Component A to 1 Part Component B
Colors:	All standard Freda Industrial colors. Available pre-colored in three gallon units and fifteen gallon units. FC-1100 may also be tinted with Freda 410 Series pigment dispersions. Special colors available upon request.
Coverage:	160 sf./gal @ 10 mils 80 sf./gal @ 20 mils
Potlife:	20 minutes @ 72°
Cure Schedule:	72° F @ 50% R.H. To touch: 6 Hours To recoat:: 8 Hours Minimum 24 Hours Maximum Foot Traffic: 12 Hours Heavy Traffic: 72 Hours If maximum recoat time is exceeded, abrade w/ 80 grit sandscreen
Shelf Life:	Component A 12 months, unopened container. Component B 12 months, unopened container.
Reducer:	Not recommended

GENERAL PRODUCT PERFORMANCE:

<u>Test Type</u>	<u>Test Method</u>	<u>Result</u>
Abrasion Resistance	ASTM D 4060	100 mg. max. weight loss
Flammability	ASTM D 635	Self extinguishing, .25 inches
Tensile Strength	ASTM D 638	4,500 psi
	ASTM C 307	1,900 psi
Compressive	ASTM C 579	11,400 psi

- Excellent recoatability
- Excellent blush resistance

ASTM C: Filled with Freda 7010 silica sand
ASTM D: Resin system only

APPLICATION:

FC-1100 as a primer:

- To apply FC-1100, pour a bead in the form of ribbon to the area that is to be coated.
1. Apply pressure to flat edged squeegee and spread coating uniformly.
 2. Backrolling is not recommended.

FC-1100 as an intermediate:

- To apply FC-1100, pour a bead in the form of ribbon to the area of primed substrate.
1. Spread coating uniformly using a notched, or flat edge squeegee.
 2. Backroll using a ¼" nap mohair roller cover.

LIMITATIONS:

- **Do not use as topcoat.**
- 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%.