



FREDA WBE-400

CLEAR WATER BASED EPOXY PRIMER/SEALER

TECHNICAL DATA SHEET

DESCRIPTION:

A two-component, catalyzed, water based epoxy for use as a primer or topcoat for concrete, metal, and wood. WBE-400 provides excellent adhesion to damp, green concrete

USES:

Freda WBE-400 can be utilized as a primer, for most Freda Flooring Systems, or a 2-3 coat finish system for uncured concrete that has been shot blasted or acid-etched. WBE-400 provides excellent abrasion and chemical resistance when used as a stand-alone system.

ANCILLARY PRODUCTS:

Primers: WBE-400 Series @ 3 mils dft

Topcoats: WBE-400 Series @ 3 mils dft (green concrete)
Freda 2C-AR @ 4 mils dft (cured concrete)
Freda 100% solids epoxy topcoats @ 20 mils

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

Application: SR-025-RC 1/4" nap 18" roller cover
SR-918-RF Adjustable roller frame

PACKAGING:

<u>Product Code</u>	<u>Container Size</u>	<u>Product Quantity</u>
405-1000-1 (A)	1 gallon can	.5 gallons
405-1000-5 (A)	5 gallon pail	5 gallons
405-1000-55 (A)	55 gallon drum	55 gallons
405-1100-3 (B)	3 gallon pail	3 gallons
405-1100-5 (B)	5 gallon pail	5 gallons
405-1100-55 (B)	55 gallon drum	55 gallons

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:

3.5 Gallon Units: Pour contents of short filled Part A 1 gallon can into contents of Part B activator 3 gallon pail. Mix by hand for two minutes.

5 Gallon Pails: Mix by volume 1 Part component A to 6 Parts component B Activator. Mix by hand for two minutes.

GENERAL PRODUCT INFORMATION:

Mix Ratio: 1 Part Component A to 6 Parts Component B

Colors: Clear Only

Solids Volume: 23%

V.O.C. 1.92 lbs. per gallon catalyzed

Potlife: 1 Hour

Coverage: Recommended dft 1.2 mils per coat
320 sq.ft. per gallon
1 coat for primer
3 coats recommended for WBE-400 system

Cure Schedule: 72° F @ 50% R.H.
To touch: 6 Hours
To recoat: 8-10 Hours Minimum
18-24 Hours Maximum
Foot Traffic: 18 Hours
Heavy Traffic: 72 Hours

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	32 mg. max. weight loss
Impact Resistance	ASTM D 2794	105 in. lb. direct
Hardness	ASTM D 3363	HB

- Good chemical resistance
- Excellent abrasion resistance

APPLICATION:

To apply Freda WBE-400:

1. Apply coating as uniformly as possible with a 1/4" nap roller
2. Avoid excessive back rolling and cross rolling. This will lessen the chance of bubbling.
3. Do not allow the product to puddle, the area will remain yellow and possibly not cure.

LIMITATIONS:

- Not intended for exterior use as a topcoat.
- This product is not recommended for immersion service.
- Do not apply this product at ambient or floor temperatures below 50° F or over 90° F or if the relative humidity is above 95%.