

FREDA 2020 TWO COAT EPOXY FLOOR SYSTEM

DESCRIPTION:

The Freda 2020 system provides an economical floor protection solution with a high build 20 mil epoxy coating system. 2020 is ideal for light to medium traffic on new or existing concrete that is in good condition. Freda 2020 provides a long lasting 100% solids epoxy primer and topcoat that has moderate chemical resistance, high gloss, and excellent cleanability.

MATERIAL SPECIFICATION:

-Preparation: Surface to be coated must be clean, dry and mechanically shot blasted.
-Primer: Freda FC-1100 @ 200 square feet per gallon. (8 mils)
-Topcoat: Freda FC-1500 @ 133 square feet per gallon (12 mils)

USES:

The Freda 2020 system is best suited for manufacturing aisleways and assembly areas that are either new or in like new condition. Concrete must be cured for a minimum of 30 days before applying the 2020 system. The 2020 system provides a smooth, high gloss finish that is abrasion and impact resistant.

GENERAL PRODUCT INFORMATION:

Packaging: Topcoat: 3 Gallon Kits, 5 Gallon Pails, and 50 Gallon Drums
Primer: 4 Gallon Kits, 5 Gallon Pails, and 50 Gallon Drums

Colors: All standard Freda colors

Application: Refer to the Freda 2020 Application Bulletin

TECHNICAL SPECIFICATIONS:

<u>Type Test</u>	<u>Method</u>	<u>Result</u>
Tensile Strength	ASTM D-638	5,500 psi
Tensile Elongation	ASTM D-638	8%
Bond Strength to Concrete	D-4541	400 psi, concrete failure
Hardness (Shore D)	ASTM D-2240	80-85
Abrasion Resistance	ASTM D-4060	50 mg loss
CS 17 wheel, 1000 gm. Load 1000 cycles		
V.O.C.		0 lbs. Per gallon
Cure Schedule		Light traffic: 12 hours Heavy traffic: 24 hours

Please read and understand Freda Inc. statement of warranty and Material Safety Data Sheets before using this product.

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SURFACE PREPARATION:

Surface must be clean, sound, dry and perfectly free of curing compounds, oil, grease and any other contaminants. A surface profile should be achieved by using a mechanical shot blast system utilizing 280 steel shot , use a magnetic broom to remove all shot from floor when blasting is complete

PRIMING:

Entire surface that is to be coated must receive a coat of Freda FC-1100 epoxy binder.

- Mix Ratio: 1A:1 B (mechanically mix for 2 minutes)
- Application Method: Flat edged Squeegee apply at a spread rate of 200 sq.ft per gallon
- Cure Schedule: Minimum: 8 hours @ 72° F, 50% RH
Maximum: 24 hours @ 72° F, 50% RH

CRACK AND JOINT REPAIR:

- When primer has cured, fill all cracks and voids with Freda CF-100 epoxy patching compound.
- If required, fill joints with Freda JS -200 joint filling compound.

TOPCOAT:

Smooth Finish: Apply topcoat of BP-1500 with a notched or flat squeegee, and backroll with a 1/4" nap mohair roller to achieve a uniform finish.