

PRODUCT DESCRIPTION A high performance, versatile, two-component, chemically cured tile-like epoxy coating with excellent chemical, corrosion, moisture, stain and abrasion resistance.

INTENDED USES For use on interior or exterior properly prepared and primed metal or masonry surfaces in corrosive and chemical environments, or as a high performance architectural coating (HIPAC).
Also used on concrete floors and interior primed drywall, plaster and wood surfaces.
Ideal for structural steel, piping, tanks, and equipment as well as the hard usage areas of food processing plants, dairies, schools, hospitals, restaurants, corridors, public housing and public buildings.

White meets FDA requirements (21CFR 175.300) for direct food contact.

PRACTICAL INFORMATION	Color	White		
	Gloss Level	Gloss, 85 units minimum @ 60°		
	Volume Solids	59% ± 2%		
	Typical Thickness	3-6 mils (75-150 microns) dry equivalent to 5.1-10.2 mils (127-254 microns) wet		
	Theoretical Coverage	237 sq.ft/US gallon at 4 mils d.f.t and stated volume solids 5.90 m ² /liter at 100 microns d.f.t and stated volume solids		
	Practical Coverage	Allow appropriate loss factors		
	Method of Application	Airless Spray, Roller, Air Spray, Brush		
	Drying Time			
	Temperature	Touch Dry	Hard Dry Minimum	Maximum
		77°F (25°C) *	24 hours 16 hours	30 days

REGULATORY DATA Flash Point (Typical) Part A 72°F (22°C); Part B 72°F (22°C); Mixed 72°F (22°C)

Product Weight	10.6 lb/gal (1.27 kg/l)	
VOC	2.66 lb/gal (319 g/l)	EPA Method 24

See Product Characteristics section for further details

Protective Coatings

SURFACE PREPARATION APPLICATION

Epoxy

All surfaces must be sound, dry, clean, free of oil, grease, dirt, mildew, curing compounds, loose and flaking paint and other foreign substances. Do not tint. Do not thin.

New Surfaces:

Concrete, Plaster and Masonry

Cure at least 30 days before painting. pH must be 10.0 or lower. Remove laitance and roughen unusually slick poured or pre-cast concrete by acid etching or abrasive sweeping. Follow acid manufacturer’s application and safety instructions. Rinse thoroughly with water and allow to dry. Remove loose aggregate. Prime with this product. Fill concrete block with Tru-Glaze-WB 4015 waterborne epoxy blockfiller.

Galvanized Metal, Steel and Aluminum:

FDA Paint should be applied to a substrate which has been correctly prepared and primed using a standard primer suitable for the specific substrate.

Previously Painted Surfaces:

Poorly adhering old coatings should be removed. Wash to remove contaminants. Rinse thoroughly with water and allow to dry. Dull glossy areas by light sanding. Remove all debris. Prime bare areas with primer specified under New Surfaces.

Mixing Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied.
Once the unit has been mixed it must be used within the working pot life specified.

- (1) Agitate Base (Part A) with a power agitator.
- (2) Agitate Curing Agent (Part B) with a power agitator.

(3) Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator.
Allow the mixed material to stand 45 minutes at temperatures below 70°F (21°C) before use.
Above 70°F (21°C) allow 30 minutes induction time.

Mix Ratio 1 part(s) : 1 part(s) by volume

Working Pot Life 77°F (25°C)

6 hours

Airless Spray Recommended Use a 15 thou (0.38mm) tip size and adjust pressure as needed.

Brush Suitable See Product Characteristics section for further details

Roller Suitable See Product Characteristics section for further details

Thinner Thinner

Cleaner Thinner

Work Stoppages Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with thinner.

Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units.

Clean Up Clean all equipment immediately after use with thinner. It is good working practice to periodically flush out spray equipment during the course of the working day.

Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including any delays.

All surplus material and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

PRODUCT Advantages:

CHARACTERISTICS

-Chemical and stain resistant

-Resists splash and spillage of acids, alkalis, salts, solvents, oils, grease, foodstuffs and detergents

-Surface and atmospheric moisture tolerant during application

-Long lasting tile-like finish

- Outstanding hardness and toughness
- Abrasion resistant
- Easily washed and cleaned
- Performance alternate for Federal Specifications TT-C-535B (TYPE I&II) and TT-C-550C (Class A)

In common with all epoxies, FDA Paint will chalk and discolor on exterior exposure. However, these phenomena are not detrimental to anti-corrosive performance.

FDA Paint may yellow during application and cure if exposed to the combustion by-products of improperly vented fossil fuel burning heaters.

Usually, one coat of FDA Paint is sufficient but for rough or porous surfaces, two coats may be required to obtain the smoothness desired. Care should be taken that proper and uniform film thicknesses are obtained. Brushing and rolling may require multiple coats to achieve correct film thickness and/or hiding.

Use clean medium nap synthetic roller (new rollers must be free of loose fibers).

Surfaces coated with this product may become slippery when wet. For additional slip resistance in areas of pedestrian traffic, add one pound per gallon of coarse pumice or other texturing material. Dries to light foot traffic on concrete floors in 24 hours at 77°F (25°C).

***Do not thin. *Do not tint.**

*If thinning is absolutely necessary, use up to 5% Xylene. *Using a pigment or dye will eliminate FDA compliance.

Note: VOC values are typical and are provided for guidance purpose only. These may be subject to variation depending on factors such as differences in color and normal manufacturing tolerances.

Low molecular weight reactive additives, which will form part of the film during normal ambient cure conditions, will also effect VOC values determined using EPA Method 24.

SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Material Safety Data Sheet and the container(s), and should not be used without reference to the Material Safety Data Sheet (MSDS).

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards and regulations.

In the event welding or flame cutting is performed on metal coated with this product, dust and fumes will be emitted which will require the use of appropriate personal protective equipment and adequate local exhaust ventilation.

STORAGE Shelf Life 24 months minimum at 77°F (25°C). Subject to re-inspection thereafter.
Store in dry, shaded conditions away from sources of heat and ignition.

Disclaimer

The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability at all for the performance of the product or for (subject to the maximum extent permitted by law) any loss or damage arising out of the use of the product. We hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. All products supplied and technical advice given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development.