Flecks® Coatings

PRODUCT DATA SHEET

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Innovators of Seamless Flooring Systems

WMP LIGHT STABLE EPOXY

Product Description:

WMP Light Stable Epoxy is a water white, crystal clear, 100% solid, two-component epoxy that exhibits excellent resistance to UV degradation. This unique epoxy formulation can be used outdoors with no ambering. It is used as an Epoxy for all troweled, broadcast, and aggregate systems that may be exposed to outdoor sunlight. This epoxy will not amber, blush or chalk, and exhibits excellent chemical resistance and surface appearance.

Advantages:

- Water Clear
- No Blushing
- High Gloss
- Fast Curing
- No Chalking
- No Odor
- USDA Approved
- Easy 2 to 1 Ratio
- 100% Solids; no VOC's
- Excellent Chemical Resistance
- Non-Ambering

Product Uses:

WMP Light Stable Epoxy is used as a water clear, non-ambering, clear epoxy for all epoxy overlay systems. Its uses include:

- Epoxy Stone
- Metallic Floors
- Vinyl Flake Floors
- Pigmented Coatings
- Clear Floor Sealer
- Bar/Tabletop Clear Coatings

Surface Preparation:

The surface must be sound and free of oil and grease. Refer to the complete preparation guide.

Application Methods:

WMP Light Stable Epoxy is applied with a roller, brush, or squeegee at a rate of approximately 50 to 250 square feet per gallon. Spread rate will vary with desired thickness. Mix only enough that can be applied within 20 minutes. If using squeegee method, back roll to remove lines and spread evenly. When mixing with Stone, mix 1 Gallon to 150-200lbs for 3 minutes prior to application.

Colors:

Clear and Pigmented Colors

Packaging:

WMP Light Stable Epoxy is available in 1-gallon cans, 5-gallon pails, and 55-gallon drums.

WMP LIGHT STABLE EPOXY

TECHNICAL PROPERTIES

Color	Clear and Pigmented
Mixing Ratio by Volume	2 Parts Resin (A) to 1 Part Hardener (B)
Viscosity at 75° F Mixed	1200 CPS
Pot Life at 75° F	25-30 Minutes
Tack-Free at 75° F	8 to 12 Hours
Cure Time at 75° F	16 to 24 Hours
Spread Rate (one gallon per 100 sq. ft.)	16 mils Dry
Toxicity	Non-Toxic USDA Approved

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Solids by Volume		100%
Impact Resistance	MIL D-3134	Pass
Tensile Strength	ASTM D-638	3000 psi
Elongation	ASTM D-638	4%
Linear Shrinkage	ASTM D-2566	0.02%
Hardness Shore D	ASTM D-2240	75-80
Compressive Strength	ASTM D-695	16,000 psi
Bond Strength	ASTM D-4541	480 pli
Film Appearance	Visual	High gloss
Flammability	ASTM D-570	Self-extinguishing
Abrasion Resistance CS17 Wheel 1000 cycle	ASTM C-501	32 mg loss
Flame Spread	ASTM E-84	Class B

CHEMICAL RESISTANCE GUIDE Legend: R=Recommended, S=Splash and Spill. N=Not Recommended

REAGENT	REG.OR FAST	OPF	NO SAG	REAGENT	REG.OR FAST	OPF	NO SAG
Acetone	N	N	N	Lactic Acid 20%	R	R	R
Acetic Acid Glacial 100%	N	N	N	Mineral Spirits	S	S	S
Ammonium Hydroxide 28%	R	R	R	Motor Oil	R	R	R
Acetic Acid 10%	R	R	R	Mustard	R	R	R
Brake Fluid	R	R	R	Nitric Acid 10%	N	N	N
Clorox	R	R	R	Phosphoric Acid 85%	N	N	N
Coca Cola	R	R	R	Salt Water	R	R	R
Chromic Acid 30 %	S	S	S	Spic and Span 30%	R	R	R
Ethylene Glycol	R	R	R	Syrup	R	R	R
Gasoline	R	R	R	Sulfuric Acid 30%	S	S	S
Glycerin	R	R	R	Sodium Hydroxide 30%	R	R	R
Hydrogen Peroxide 6%	R	R	R	Silver Nitrate	R	R	R
Hydrochloric Acid 30%	R	R	R	Tide Detergent	R	R	R
Hydrofluoric Acid 40%	N	N	N	Trichloroethylene	N	N	N
Hydraulic Fluid	R	R	R	Tri-sodium Phosphate	R	R	R

Note: Testing should not be conducted until coating cures 7-10 days at 70ºF