



Decorative Concrete Coating Products

EPOXY 2000

High Solids Epoxy Floor Coating

DESCRIPTION:

Epoxy 2000 is a high performance cycloaliphatic amine cured epoxy floor coating system. It may be used as a topcoat, floor sealer, or as a base coat for color chips and colored aggregates. 100% solid with self leveling properties and blush resistance. Cures under cool damp conditions. Recommended for indoor use only.

RECOMMENDED USES:

Epoxy 2000 is ideally suited for coating floor areas such as:

- Base coat for color flake/aggregates
- Warehouse traffic areas
- Food and beverage processing plants
- Aircraft hangers
- Chemical process areas

FEATURES:

- High Solids
- Excellent all-around resistance to chemicals (acids, alkalis and solvents).
- Low viscosity
- Self leveling properties
- Readily cures with short dust-dry time even at low temperatures
- Excellent surface appearance and high gloss.
- Good flexibility
- Easily squeegeed or roller applied.

PRODUCT CHARACTERISTICS:

Color (mixed)	Clear
Viscosity (mixed)	600 cps (motor oil consistency)
Pot life (77° F)	45 min.
Shelf life	Minimum one year if kept tightly sealed.
Packaging	2 & 10 gal units
Yield	125 sq. ft. / gallon at 15 mils. = 1/64in (2 Coats) Estimates may vary according to conditions of surface.

TYPICAL PROPERTIES

ASTM – C580	Flexural Strength	14,900 psi
ASTM – D638	Tensile Strength	9,900 psi
ASTM – D638	Tensile Elongation	12 %
ASTM – D695	Compressive Strength	12,200 psi
ASTM – D648	Heat Distortion/Deflection	147°F
	Temperature Limit (In House)	180°F
ASTM – C868	Chemical Resistance	Refer To Chart

SURFACE PREPARATION

For Concrete Surface – Remove all oil, dirt, and contaminants. Sandblast, acid etch, or mechanically remove laitance from surface. Acid washes should be thoroughly rinsed and neutralized. Surface should be dry and free of dust. **NOTE:** Under certain conditions hydrostatic pressure may exist in concrete flooring. This phenomena is usually related to sudden rises in watertables (heavy rains), which can cause severe bubbling and poor adhesion of applied coatings. This situation is best approached by scheduling coating applications during extended periods of dry weather.

APPLICATION

1. Add component B to component A, mix thoroughly for at least 3 minutes. For best results use a drill motor / mechanical mixing paddle operated at low speed. Allow 5 minute induction time after mixing.
2. Using a squeegee or roller, spread a full even coat of Epoxy 2000 onto surface.
3. When used as a non-skid coating, broadcast non-skid material onto coating while still tacky. Consult STARDEK technical representative for material recommendations. Because of the self-leveling and rheological characteristics of Epoxy 2000, it is not recommended to use sand aggregates as a non-skid broadcast. These materials will not float on the surface and will require high load levels, which will effect product performance and also produce inconsistent *shadowing*.
4. Use xylene or acetone for cleaning tools and equipment soon after use. Do not use solvents on hands or other parts of body. Clean hands and other exposed areas with soap and water.

FOR INDUSTRIAL USE ONLY! READ MSDS
BEFORE USE

PRECAUTIONS

1. Induce A with B prior to application
2. Do not apply in temperatures below 45 °F.
3. Cracks and holes in concrete should be repaired prior to application
4. Floor surface must be structurally sound, free from hydrostatic pressure, contaminants, curing compounds or other materials which may prevent proper adhesion.

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