



H. S. Binder

High Solids Epoxy Floor Coating

DESCRIPTION:

H. S. Binder 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:

H. S. Binder 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	75 sq. ft. / gallon at 15 mils. = 1/64 in.

Estimates may vary according to conditions of surface.

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TYPICAL PROPERTIES

Flexural Strength	14,900 psi
Tensile Strength	9,900 psi
Elongation	12 %
Compressive strength	12,200 psi
Heat Distortion	147 F
Temperature Limit	180 F
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. Normally primers are not necessary but should be evaluated per application. **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 H.S. Binder onto surface.
3. When used as a non-skid coating, broadcast no-skid material onto coating while still tacky. Consult Pilgrim technical representative for material recommendations. Because of the self-leveling and rheological characteristics of H. S. Binder, 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 affect product performance and also produce inconsistent *shadowing*.
4. Use Pilgrim No. 5 Cleaner 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.

PRECAUTIONS

FOR INDUSTRIAL USE ONLY !
READ MSDS BEFORE USE

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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