Permite
high performance coatings and linings

Engineered Chemical Coatings Since 1921

PCS-895
GLASS FILLED EPOXY-NOVOLAC

DESCRIPTION: A two component glass filled novolac coating for highly corrosive environments, designed for application where the presence of solvents is not permitted.

PCS-895 is essentially impermeable to most vapors; 20% of the volume of the cured film is laminar, high silica glass.

USES: For use where aggressive chemical and/or erosion resistance is required. **PCS-895** may be used alone as a two- or three-coat system for concrete protection or in conjunction with fiberglass mat and/or aggregate blends depending upon the performance required.

SURFACE PREPARATION: PCS-895 is used where exceptional performance is required; very good surface preparation is required to achieve this performance.

Remove all grease and/or oil and other surface contaminants by solvent wash or steam detergent cleaning. Failure to do so results in contaminants being driven into the concrete during abrasive blast cleaning.

The preferred method of preparation after cleaning and degreasing is shot blasting; however, abrasive blast cleaning is acceptable if all residuals are removed by vacuum prior to coating. For both new and existing concrete, see our Technical Bulletin, "CEMENT AND RELATED PRODUCTS PREPARATION FOR COATING."

The use of **PCS-803** Grip-Tite Primer is recommended when conditions allow as it will both enhance adhesion as well as reduce the out-gassing of the concrete during the initial cure.

COLORS: Tile Red, Slate Gray, other colors available upon request.

NUMBER OF COMPONENTS: Two

VOLUME SOLIDS: 100%

THEORETICAL COVERAGE: 1600 square feet / mil / gallon

MIXING RATIO: 3 volumes Base to 1 volume Hardener

THINNING: None required

APPLICATION TEMPERATURE: 40°F to 120°F

POT LIFE: 30 minutes at 77°F

DRY TIME: To touch: 4 hours; to recoat: 48 hours maximum at 75°F; overnight at 90°F; full cure 7 days at 77ºF. (These times will be longer with heavy coats and lower temperatures.)

SERVICE TEMPERATURE: Up to 200°F wet depending upon service. up to 400°F dry

CLEAN-UP: REDUCER #76

PACKAGING: 4-gallon kits only

SHELF LIFE: 12 months minimum in unopened containers.

DO NOT STORE ABOVE 90°F.

Manufacturing and Executive Offices:
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MIXING: PCS-895 is mixed 3 volumes of **Base** to 1 volume of **Hardener. Mix all of both parts together with a power mixer (boxing is not adequate) until a uniform color is obtained.** PCS-895 should be stored in a cool place. Shelf life is not seriously affected by storage up to 90°F but the pot life is shortened at elevated temperatures. To avoid material loss due to pot-life expiration, mixed material may be poured directly onto the surface area prior to spreading, which will improve the "working time" of the material.

APPLICATION: Short-nap roller, brush, squeegee, or trowel, depending upon the system and finish desired.

CLEAN-UP: REDUCER #76

CHEMICAL RESISTANCE: PCS-895 is resistant to contact with the following reagents for a maximum of 24 hours in splash/spillage service:

Sulfuric acid	up to 85%
Hydrochloric acid	up to 25%
Nitric acid	up to 20%
Acetic acid	up to 25%
Sodium hydroxide	up to 70%
Phosphoric acid	up to 85%
Sodium hypochlorite	up to 10%
Citric acid	up to 25%

Aqueous solutions of salt at all concentrations
Toluene
Ethyl alcohol
Butyl alcohol
Ethyl acetate
Xylene

PCS-895 is not resistant to some very strong organic solvents; contact Permite for specific data and recommendations. Contact with strong acids may discolor and/or dull the finish on exposure.

IMPORTANT: PCS-895 has excellent chemical and high temperature resistance. As the service temperature elevates, the chemical resistance is reduced. Consult Permite for specific recommendations regarding immersion service.

CAUTIONS: Use with adequate ventilation. Avoid prolonged breathing of vapor. Avoid prolonged or repeated contact with skin. If used in confined areas, circulate adequate fresh air continuously during application and drying.

IF SWALLOWED, DO NOT INDUCE VOMITING. Call a physician immediately. For eye contact, flush with lots of water. In case of skin contact, wash thoroughly with soap and water.

See material safety data sheet for full precautions prior to use.

PCS-895 is intended for INDUSTRIAL USE ONLY.