



Engineered Chemical Coatings Since 1921

PCS-800 PRIMER HIGH BUILD EPOXY

DESCRIPTION: PCS-800 primer is a VOC compliant, two component, cross-linked epoxy composition, designed to be used as a primer on steel, concrete and masonry surfaces in conjunction with various **Permite** finish coats. **PCS-800** may be applied by brush, roller, or spray over hand or power tool cleaned surfaces and is compatible with most existing coatings and tightly adherent rust. Pressure washing may also provide suitable surface preparation depending upon job conditions. **PCS-800** cures to a hard, tough, abrasion-resistant film.

USES: Especially suited as a general maintenance primer for pulp and paper mills, chemical plants, power plants, tank farms, water and sewage treatment facilities, mining operations, and marine applications. **Not recommended** for immersion service or splash and spillage of very strong solvents or concentrated acids and alkalis.

SURFACE PREPARATION: Remove oil and/or grease by SSPC-SP1 solvent cleaning. Round all sharp edges, welds, etc. to a minimum of 1/8" radius and remove weld spatter. Abrasive blast clean per SSPC-SP6 Commercial Blast for maximum performance. Hand and power tool cleaning per SSPC-SP2 and SP3 is acceptable for certain applications.

MIXING: Mix equal volumes of **PCS-800** Primer Base and **PCS-800** Primer Hardener. It is not necessary to mix the entire kit at one time; but, if less than a full kit is to be mixed, each component must be thoroughly mixed prior to use. Partially filled containers should be closed tightly.

7/10 Rev.

(continued)

VOC: 2.6 lbs./gallon as supplied

COLOR: Buff, red, or gray

NUMBER OF COMPONENTS: Two

MIXING RATIO: 1 to 1 by volume

POT LIFE: 4 hours at 77° F

VOLUME SOLIDS: 64%

THEORETICAL COVERAGE:
1026 square feet per gallon at 1 mil DFT

SUGGESTED FILM THICKNESS:
3-5 mils DFT

APPLICATION: Roll, brush, or spray

APPLICATION TEMPERATURE:
50° F - 120° F

DRY TIME: To touch - 4 hours
To handle - 8 hours

RECOAT: 8 hours at 77° F

REDUCER & CLEAN-UP: Reducer #76

SERVICE TEMPERATURE: 200° F

PACKAGING: 2-gallon kits or
10-gallon kits

SHELF LIFE: 12 months in unopened
containers

DO NOT STORE ABOVE 90° F

Manufacturing and Executive Offices:

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APPLICATION: Flush all equipment thoroughly with Reducer #76 before use. **AIRLESS:** Minimum of 30:1 Pump ratio, .019 tip with 3/8" I.D. fluid line. Adjust fluid pressure for proper atomization. Higher ratio pump and/or larger diameter lines may be required when more than 50 ft. of material line is required. Shield long lines from direct sunlight in hot weather. **CONVENTIONAL SPRAY:** DeVilbiss MBC or JGA gun with 78 to 765 air cap, E fluid tip and needle. Use a pressure pot with separate atomizing air and fluid pressure regulators: 50-70 PSI atomizing air and 10-15 PSI pot pressure. For most applications, one coat at 5 mils dry film thickness is sufficient. When used as a primer on masonry surfaces, up to 25% Reducer #76 may be added.

TOPCOATS: PCS-850 Epoxy Finish Coat; PCS-9043 Type II Finish Coat; PCS-504, PCS-506, or PCS-511 Polyurethanes.

CAUTIONS: Flammable. This product contains solvents. Keep away from heat and open flame. Keep container closed. Use with adequate ventilation. Avoid prolonged breathing of vapor. Avoid prolonged or repeated contact with skin. If used in confined areas, observe the following precautions to prevent hazards of fire, explosions or damage to health: (1) circulate adequate fresh air continuously during application and drying; (2) use fresh air masks and explosion-proof equipment; (3) prohibit all flames, sparks, welding, and smoking.

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-800 is intended for PROFESSIONAL USE ONLY.