

PCS-504 ACRYLIC URETHANE FINISH

DESCRIPTION: PCS-504 finish is a VOC compliant, two component, aliphatic acrylic urethane, with good color and gloss retention designed to be used as a finish coat on steel, concrete and masonry surfaces in conjunction with various Permite Primers. PCS-504 may be applied by brush, roller or spray over properly prepared surfaces and is compatible with most existing coatings. Pressure washing may also provide suitable surface preparation depending upon job conditions. PCS-504 cures to a hard, tough, abrasion resistant film.

USES: Especially suited as a general maintenance coating 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 for splash and spillage service in strong solvents or concentrated acids and alkalis.

SURFACE PREPARATION: STEEL: Remove all oil and grease by solvent cleaning in accordance with SSPC-SP1 and/or proprietary degreaser. Minimal recommended surface preparation is hand or power tool cleaning per SSPC-SP2 or SP3 followed by recommended spot priming. **CONCRETE:** Remove laitance, surface hardeners or curing compounds by abrasive blasting or other means. Concrete must be cured 28 days prior to coating application.

PRIMERS: STEEL: PCS-800 Epoxy Primer, PCS-9043 Type II Primer. **CONCRETE:** PCS-803 Primer.

MIXING: Mix four volumes of PCS-504 Finish Base to one volume of PCS-504 Finish Hardener.

VOC: 2.8-3.25 as supplied, depending on color

COLOR: Standard Color Chart

GLOSS: High

NUMBER OF COMPONENTS: Two

MIXING RATIO: 4 to 1 by volume

POT LIFE: 4 hours at 77° F

VOLUME SOLIDS: 57% \pm 3%

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

SUGGESTED FILM THICKNESS:
2-3 mils DFT

APPLICATION: Roll, brush, or spray

APPLICATION TEMPERATURE:
50° F - 120° F

DRY TIME: To touch: 4 hours
To handle: 8 hours
To recoat: 8 hours at 77°F

REDUCER & CLEAN-UP:
R117 or R132

SERVICE TEMPERATURE: 200° F

PACKAGING: 5 gallon kits

SHELF LIFE:
12 months in unopened containers.

DO NOT STORE ABOVE 90° F

(continued)

It is not necessary to mix the entire kit at one time, but due to the moisture sensitivity of the hardener component, it is recommended that the entire kit be used as quickly as possible. Partially filled containers should be closed tightly.

APPLICATION: Flush all equipment thoroughly with Reducer R117 or R132 before use.

AIRLESS: Minimum of 30:1 Pump ratio, .017 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, 1 coat at 2-3 mils dry film thickness, is sufficient.

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 or 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.

This product is intended for PROFESSIONAL USE ONLY.