

PCS-577 ANTI-GRAFFITI COATING

DESCRIPTION: A two-part polyester aliphatic polyurethane coating. Polyester is used rather than acrylic for increased chemical resistance. Its primary use is an anti-graffiti coating with outstanding resistance to chemicals and solvents as well as excellent gloss and color retention when exposed to outdoor exposure.

PCS-577 may be applied by brush and roll, however, conventional or airless spray is the preferred method of application.

USES: Principal uses are as an anti-graffiti coating or where both chemical and weather resistance are necessary. Removal of graffiti can be accomplished by solvent cleaning with a moderate to strong solvent.

SURFACE PREPARATION: **PCS-577** may be applied directly to glass reinforced polyester or epoxy surfaces if the surface is clean and free of mold release compounds. For use over steel, aluminum, galvanize, masonry, or other surfaces; a specific primer or surface preparation is required. Consult **Permite** for details.

MIXING: Do not mix until the surface is properly prepared and equipment is clean and ready for use. Mix 1 part of the BASE component with 1 part of HARDENER for 3-5 minutes with a power mixer to insure proper blending. No induction period is required before application.

THINNING: Thin with approximately 1 pint of Reducer #130 per gallon of mixed material for spray application. The viscosity of the material should be 28-32 seconds in a #2 Zahn cup for best results. No reduction is required for brush or roll application.

CAUTION: This product is moisture sensitive until cured. Use care when mixing product with air driven mixers; do not allow water condensate to contaminate material. Use oil and moisture traps on all incoming air lines to spray equipment.

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COLOR: Standard colors. Special colors available on request.

SOLIDS CONTENT: 45 \pm 3%

VOC AS SUPPLIED: 3.8 lbs/gallon

THEORETICAL COVERAGE:
720 sq. ft. per mil per gallon

NUMBER OF COMPONENTS: Two

MIXING RATIO: 1 volume Base to
1 volume Hardener

INDUCTION PERIOD: Not required.

POT LIFE: 3-4 hours at 77° F

APPLICATION: Conventional or airless spray; brush; or roll

NUMBER OF COATS: 1 or 2 coats at
1½-3 mils DFT depending on service.

APPLICATION TEMPERATURE:
45° F to 90° F

DRY TIME: To touch, 2-4 hours; to tape,
4-8 hours. Must be recoated or stenciled
within 4-6 hours.

SERVICE TEMPERATURE: -20° F to
180° F continuous; to 280° F intermittent
with some yellowing.

PACKAGING: 2 & 10 gallon kits

SHELF LIFE: Minimum of 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 a urethane grade solvent before use. **Conventional spray:** use Binks #62 gun, #63 tip and #66 air cap, or equivalent. Maintain pot pressure at 10-15 psi and approximately 30 psi atomizing air. **Airless spray:** a 25:1 ratio or higher pump is recommended to insure freedom from pulsations; tip size should be 0.011-0.013 inch with fluid pressure around 1000 psi. Adjust for proper atomization. The proper technique is to apply a tack coat to the entire surface with special attention given to all difficult areas, such as corners and/or edges. This should be followed immediately by a full coat applied using a cross-hatch pattern with a 50% overlap. Do not apply when the temperature is 45° F and falling. Surface temperatures over 120° F can cause solvent “popping.”

If a second coat is required, it **must** be applied within 4-6 hours after initial application. Consult **Permite** if recoat window has been exceeded.

CLEAN UP: Clean up immediately after use with **Reducer #130 or #76**. Do not allow material to set up in paint lines or equipment.

CURE & RECOAT TIMES: To touch, 2 hours; to tape, 4-5 hours. Must be recoated or stenciled within 4-6 hours. Full cure of **PCS-577** requires approximately 7 days to develop ultimate anti-graffiti and chemical resistance properties.

CAUTIONS: Flammable mixture. Contains solvents and isocyanates. Individuals with lung or breathing problems or prior reaction to isocyanates must NOT BE EXPOSED to VAPOR or SPRAY MIST. Keep away from heat, sparks, and flame. Use only with adequate ventilation. AVOID PROLONGED BREATHING OF VAPORS. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. Keep containers closed when not in use. 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 near area. **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 sheets for full precautions prior to use.

PCS-577 is intended for INDUSTRIAL USE ONLY.