

## PCS-5536 WATERBORNE URETHANE

**DESCRIPTION:** A two-part waterborne polyurethane coating primarily designed for flooring applications. It is supplied as a clear matte finish with outstanding abrasion resistance as well as excellent gloss and color retention on outdoor exposure. The exceptional combination of surface hardness and flexibility is due to the unique isocyanate prepolymer portion of the coating.

**PCS-536** may be applied by brush and roll, along with conventional and airless spray.

**USES:** As a flooring material where mild chemical and/or abrasion resistance is required.

**SURFACE PREPARATION:** **PCS-5536** 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 2 parts 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:** No reduction is required for brush or roll application. For spray application, thin with water sparsely and only when mixing fresh material. Do not attempt to reduced material that has been mixed for more than ½ hour. The viscosity of the material should be 28-32 seconds in a #2 Zahn cup for best results.

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**COLOR:** Clear. Special colors available on request.

**SOLIDS CONTENT:** 60% by volume

**VOC AS SUPPLIED:** ≤ 10 grams / liter

**THEORETICAL COVERAGE:**  
843 sq. ft. per mil per gallon

**NUMBER OF COMPONENTS:** Two

**MIXING RATIO:** 2 volumes Base to  
1 volume Hardener

**INDUCTION PERIOD:** Not required.

**POT LIFE:** 2-4 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, 1-2 hours; to  
tape, 8-12 hours. Must be recoated or  
stenciled within 48 hours.

**PACKAGING:** 1 ½ & 15 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 900 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. **Roll Application:** Best results are obtained with high quality short nap rollers where roller nap is 1/8 to 3/16 inch in length, pre-wash roller with clean water to minimize hair loss.

**CLEAN UP:** Clean up immediately after use with soap and water then followed by solvent such as MEK for spray equipment. Rollers should be discarded in accordance with local regulations. Do not allow material to set up in paint lines or equipment.

**CAUTIONS:** Contains 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: (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-5536** is intended for INDUSTRIAL USE ONLY.