

POLY-THANE #1

IMPORTANT! Read these instructions carefully several days prior to starting your work. Seek answers to any questions you may have before you begin. DUR-A-FLEX, Inc. maintains a Technical Staff that will be glad to answer your questions and give you advice pertaining to your particular installation. POLY-THANE is intended for use as an optional topcoat for DUR-A-GARD, SHOP FLOOR, DUR-A-QUARTZ and POLY-CRETE broadcast systems. DUR-A-CRETE overlayment, which has already received one topcoat of CRETE-GARD, can also be topcoated with POLY-THANE.

POLY-THANE #1 is applied by the Dip and Roll method. The recommended spread rates are 300 to 350 SF/gal to yield 3 mils DFT.

SURFACE PREPARATION

Surface must be clean, sound, dry and free of all oil, grease, detergent film, sealers and/or curing compounds. Apply POLY-THANE topcoats within 24 hours of finishing specific epoxy floor system. Please refer to the DUR-A-FLEX Surface Preparation Guide on our website for detailed instructions.

MIXING AREA

Select a convenient mix area and protect the surface from spillage by covering with a layer of cardboard and/or sheet of plastic. Be generous with the amount of space you allocate for this function. The more comfortably your mixer works, the less likely you are to have a "mix error". Make ready all necessary tools, mix and measure containers, etc. Apply masking tape wherever coating is intended to stop.

PRIMING

If the existing DUR-A-FLEX epoxy or urethane floor system is being recoated, use DUR-A-GLAZE TIE-COAT to prime all surfaces after the floor has been properly prepared and tack ragged clean.

SELECTING POLY-THANE #1 TOPCOAT

1. For DUR-A-QUARTZ or DUR-A-CHIP floors can be top coated with POLY-THANE #1. Note: Light colored quartz and chip blends should be avoided due to ambering.
2. DUR-A-GARD, SHOP FLOOR and DUR-A-CRETE can be top coated with POLY-THANE #1 pigmented with ADD-A-COLOR #4.

MIX RATIO

<u>PRODUCT</u>	<u>FINISH</u>	<u>RESIN</u>	<u>HARDENER</u>
Poly-Thane #1	High Gloss	1 Part	1 Part

QUALITY CONTROL

The color of POLYTHANE #1 with ADD-A-COLOR may vary slightly from batch to batch. It is recommended that the lot number on the side of the ADD-A-COLOR pail be checked. If lot numbers are different, box together the different lot numbers to ensure a uniform color for topcoat applications.

1. POLY-THANE DIP & ROLL METHOD

NOTE: Mix only small amounts (See Mixing Recommendations) until you become familiar with the product application and establish how much material can be used within 10 minutes for your specific job. Working time will decrease as temperatures increase.

A. Measure 1 part POLY-THANE #1 resin and 1 part POLY-THANE #1 hardener.

B. Combine resin and hardener in mix bucket. Mix thoroughly with a Jiffler type mixer in a slow speed (450 rpm) electric drill for 2 minutes. **Be sure to pour the "resin" into the mixing bucket first, then the "hardener."** Always scrape the sides and bottom of mixing container to assure thorough blending. **Keep hardener and resin containers covered to prevent solvent evaporation.**

C. ACCURATE MEASURING AND THOROUGH BLENDING IS MANDATORY. Use blended material without delay. Pot life and working time is shorter at higher temperatures.

- D. Pigmenting POLY-THANE #1 with ADD-A-COLOR: add 8 ounces of ADD-A-COLOR per mixed gallon. Blend resin and hardener, add ADD-A-COLOR #4 and mix for approximately one minute.
- E. Dip and roll POLY-THANE #1 using a 3/8" nap non-shed roller cover. Each person rolling needs to keep a straight wet edge, working in a north south direction. POLY-THANE #1 coverage rate is approximately 300-350 square feet per gallon. Coverage rates are dependant upon surface profile.
- F. Cross-roll the entire area within 10 minutes. While wearing spike shoes, cross-roll perpendicular to the wet edge in an east west direction. When cross-rolling with an 18" roller, over lap the previous pass by 9". Be sure to remove any impurities as you see them. Pay close attention to and stay on top of the "wet edge".
- G. Remove all masking tape as you proceed, before it gets out of reach.
- H. Allow coated floor to cure 24 hours before allowing clean foot traffic on floor. Normal use and forklift traffic can resume after 72 hours. POLY-THANE #1 has to cure *at least* 24 hours before foot traffic.
- I. All re-coats are to be completed within 36 hours unless sanded and thoroughly tack ragged.

NOTE: This product is best suited for application in temperatures between 55°F and 90°F. Full chemical and abrasion resistance occurs in 7 days at 77° F. At lower temperatures these properties will be attained more slowly. Protect floor from chemical exposure and abrasive wear during this time.

IMPORTANT: USE SIGNS AND BARRIERS to keep traffic out of the area. Do not allow any water on coated surface for 24-48 hours. Chemical spillage must be prevented for approximately 5 days. **NOTE:** Use DUR-A-SOLVE or a lacquer thinner for clean up.

CAUTION: Extinguish all open flames, pilot lights etc. Use only explosion proof tools, lighting, ventilation equipment, etc. Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN.

JOINT GUIDELINES

Refer to the Joint Guidelines for complete details on our website.

Before using any DUR-A-FLEX, Inc. product, be sure the Material Safety Data Sheet is read and understood.