

BREWFLOORS IV INSTRUCTIONS

1) **PRODUCT STORAGE:** Store product in an area as to bring the material to normal room temperature before using. Continuous storage should be between 60 and 90 degrees F. Low temperatures may cause product crystallization.

2) **SURFACE PREPARATION:** The most suitable surface preparation would be a fine brush blast (shot blast) to remove all laitance and provide a suitable profile. Surface must be rough diamond grinded or shot blasted to a minimum CSP3 surface profile. All dirt, foreign contaminants, oil and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete moisture content is controlled to acceptable levels, this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is generally considered suitable for coatings. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause disbonding. After surface preparation and before application, repair all bug holes and grind down any projections. Repair all cracks or concrete Imperfections.

Any areas that are not going to be coated completely or where there are 'edges' such as linear floor drains or circular drains a 1/8" wide by 1/8" deep 'slot' must be cut into the floor with a hand grinder with a masonry blade or circular saw with a diamond blade for the coating to drop into and create a 'clean edge into the slot. On the opposing side of the slot duct tape off while applying so the epoxy does not run past the slot. The purpose of this is to create a clean edge for the epoxy to prevent water migration under the epoxy which can cause the concrete to swell and de-bond the epoxy. Failure of coating due to improper preparation is not covered under warranty.

3) **PRODUCT MIXING:** This product is packaged as a 'kit' with a gallon container of part A (8.3#) and a gallon container of part B (9.75#), tint pack, and aggregate component consisting of one bag (30#). Standard packages are in pre-measured kits and should be mixed as supplied in the kit. Kits should not be broken down. Add the part B component to an oversized mixing container first (5 gal pail or larger), followed by the part A component and the tint pack. After the two liquid parts are combined thoroughly and streak free, add in the provided aggregate and mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and uniform in color. It is imperative to mix all of the material so make sure to move the mixer along the bottom and sides of the pail After mixing, transfer the mixed material to another pail (the transfer pail) and again remix. The material in the transfer pail is now ready to be applied on the prepared substrate. Remix occasionally to prevent settling of aggregate. Improper mixing may result in product failure.

4) **PRIMING:** No primer is necessary on a properly prepared substrate, however, if concrete outgassing occurs, discontinue application and apply a suitable primer.

5) **PRODUCT APPLICATION:** : Have the floor as dry as possible without any puddles of water present. If there is excess water on the substrate, take up excess with a suitable vacuum until a near dry condition exists. Then, after the material is thoroughly mixed, pour the material onto the substrate. Either use a trowel to push out and level the material evenly or spread with a gauge rake set to the 1/8" height with cam pins followed by an air release spiked roller tool. *(Note cam pins will wear down from dragging on the floor and need replacing as they wear otherwise your floor will end up too thin. Check gauge rake pins at regular intervals and replace or rotate as necessary)* Please note that the product has a limited 15-20 minute working time, so best to have helpers assisting doing the mixing and 'feeding' the applicator personnel. If not topcoating, apply non skid aggregate by hand onto the wet surface to achieve the desired level of texture. The surface could have an uneven texture, color streaks or color differences and an orange peel look which is normal prior to topcoating . Maintain temperatures to between 50-90 deg F. Do not apply to cracked or unsound concrete. Do not feather edge. If product needs a 'termination point' score the floor first with a standard 1/8" thick diamond blade on a circular saw or hand grinder to put a 1/8" wide groove approximately 1/8" deep into the floor. Tape the outer edge of the groove and remove the tape prior to product fully curing for a clean edge as once cured the tape will be very difficult to remove.

6) **TOPCOATING:** Wait 24 hours to topcoat. Mix topcoat A & B together fully with mechanical mixer. Mix evenly and thoroughly moving mixer up/down and all along the bottom of the pail to avoid any unmixed material from getting on the floor. Pour on the floor and roll out. While wet, apply non skid additive by hand broadcasting onto surface. Backroll aggregate into the topcoat to achieve the desired texture and surface finish.

7) **CLEANUP:** For cleaning any application, equipment, water can be used. The urethane component container is best cleaned with a suitable solvent such as Xylene.

8) **FLOOR CLEANING:** Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.