



BREWFLOORS IV APPLICATION 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. Do Not Freeze.
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. The floor needs to be mechanically prepared with either diamond grinder or shot blast prior to using the Brewfloor IV system. 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. Surface should have a minimum tensile strength of at least 300 psi @ ASTM D-4541. Surface profile should be CSP 3-5 per International Concrete Repair Institute guidelines.

BASE LAYER APPLICATION (1st Coat)

3. **PRODUCT MIXING:** This product is packaged in pre-measured kits. Use the entire kit - do not modify. Pour the part A into a five gallon mixing vessel. If adding color, add one bag of the powder pigment to the part A and mix about 15 seconds using a 1/2" drill and jiffy type mixing paddle. Next, add the part B and again mix for about 15 seconds. Finally, gradually add all of the contents from the provided aggregate filler bag into the liquid mixture and blend thoroughly until all particles are thoroughly wetted out; this will usually take about two minutes. Use slow speed mixing equipment to avoid adding air into the mix. 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. Make sure to apply the product immediately after it is completely mixed
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. To prevent lifting and delaminations, keyways (minimum 1/4" wide x 1/4" deep) must be cut at all terminations, joints, columns, doorways and drains. Immediately after mixing, spread the mixed material onto the floor at the desired thickness, using a gauge rake or other suitable equipment; approximately 1/8" for a 3/16: finished floor. Apply abutting edges within 5-10 minutes to ensure a clean edge. A "wet edge" installation is imperative for larger areas to avoid lines and ridges in the finished floor. When installing, evenly apply to the desired thickness while trying to keep the cam rake lines to a minimum. Backroll across the applied slurry with a spike roller to help settle aggregate and blend in cam rake lines. Finally, broadcast to rejection with the desired broadcast media (silica/sand) onto the wet slurry at approximately 10 lbs./ kit (approximately ¼ lb/sq ft). Do not broadcast onto the wet edges until settling and backrolling is complete. Continue to broadcast until no wet areas remain. After Curing (typically around 12 hours for light foot traffic), remove all excess broadcast media and scrape floor as desired. A topcoat can now be applied to lock in the aggregate. Surfaces not broadcasted could have an uneven texture, color streaks or color differences and an orange peel look. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process. Do not apply to cracked or unsound concrete. Do not feather edge.



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TOPCOATING (2nd Coat)

6. **PRODUCT MIXING:** This product has a mix ratio of 2:1. Standard packages are in pre-measured kits and should be mixed as supplied in the kit. We highly recommend that the kits not be broken down unless suitable weighing or measuring equipment is available. After the two parts are combined at the 2:1 mix ratio, mix well at slow to medium speed mixing until the material is thoroughly mixed and streak free and has an even color. 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 surface. Improper mixing may result in product failure.
7. **PRODUCT APPLICATION:** The mixed material can be applied by brush or roller. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process. If concrete conditions or over aggressive mixing causes air entrapment, then an air release roller tool should be used prior to the coating tacking off to remove the air entrapped in the coating.
8. **CLEANUP:** For cleaning any application, equipment, water can be used. The urethane component container is best cleaned with a suitable solvent such as xylol.
9. **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.
10. **RESTRICTIONS:** Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.