



TECHNICAL BULLETIN

RESIN BINDER CATALYST

PRODUCT DESCRIPTION

COMPOSITION: RESIN BINDER CATALYST is a single component organometallic catalyst which reduces the cure time of TUFFLEX RBC "TUFF" & "SOFT" materials in cold weather.

BASIC USES: RESIN BINDER CATALYST may be added to TUFFLEX RESIN BINDER CONCENTRATE (RBC) "TUFF" & "SOFT" before their application. This Accelerating Catalyst helps the coatings cure, under the influence of heat and moisture, at a very fast rate.

COLOR: Green.

PACKAGING: RESIN BINDER CATALYST is available in 1- ounce, 1-quart & 1-gallon containers.

PRE-APPLICATION PRECAUTION

LIMITATIONS: Adding excessive amounts of RESIN BINDER CATALYST may result in foaming and loss of physicals. The maximum limit is 3 one ounce vials per 5 gallon pail.

EXCESSIVE ADDITION OF RESIN BINDER CATALYST MAY RESULT IN A DRASTIC REDUCTION IN PHYSICAL PROPERTIES.

Once the Accelerating Catalyst is added to the TUFFLEX RBC Base Membrane, it must be used within a 12 to 24 hour time period, dependent on weather conditions.

PRECAUTION: RESIN BINDER CATALYST is a component of the TUFFLEX Decking Systems. It should be used as stipulated in these guide specifications. Results occurring from use other than what is stipulated in these guide specifications are not tested or guaranteed by TUFFLEX.

Ensure that the decking substrate is properly prepared prior to application.

APPLICATION:

GENERAL: The TUFFLEX RESIN BINDER CONCENTRATE (RBC) which is accelerated with the RESIN BINDER CATALYST requires a few precautions to be followed during and after application. Each application should be done in one complete step. A continuous application will ensure a smooth and level coat with no lines or streaks to disfigure the deck. Application should not be stopped part way across an area and then completed several or more hours later.

MIXING INSTRUCTIONS: The amount of Accelerating Catalyst to be added must be determined according to the on-site job conditions. However, no more than 3 one-ounce vials per 5 gallon pail of TUFFLEX RBC should be used. The Accelerating Catalyst may be mixed into the RBC prior to the addition of the catalyzing water or at the same time as the water is added. The materials should be mixed thoroughly, being careful not to allow entrapment of air into the mixture. Mix until the entire contents appear uniform.

APPLICATION: The TUFFLEX RESIN BINDER CONCENTRATE (RBC) accelerated with the RESIN BINDER CATALYST can then be applied as described in the TUFFLEX RESIN BINDER CONCENTRATE (RBC) Technical Bulletins and TUFFLEX Specifications.

CURING: Under optimum conditions, the accelerated membrane will be ready for light traffic within 2 to 3 hours and medium duty traffic within 12 hours. Note: RESIN BINDER CATALYST is most appropriate for use in cold temperatures and low humidity weather conditions and the on-site temperature will affect the final curing time of the mixture. Higher temperatures will significantly accelerate the cure time while colder temperatures will retard the cure time. In hot temperatures, the pot life can be significantly reduced, therefore the working time can be very short. In areas with limited air circulation, forced air ventilation is strongly recommended.

EQUIPMENT CLEANUP: Equipment should be cleaned with an environmentally-safe solvent, as permitted under local regulations, immediately after use.

TECHNICAL DATA

| Physical Property | Test Method | Results |
|---|----------------|------------------|
| Pot Life – after the catalyzed water is added | | 10 to 20 minutes |
| Shelf Life | | 1 year |
| Specific Gravity | | 1.008 |
| Total Solids by Weight | ASTM D-2369 | 100% |
| Total Solids by Volume | ASTM D-2697 | 100% |
| Viscosity at 24°C (57°F) | | 100 ± 50 cps |
| Volatile Organic Compounds | ASTM D-2369-81 | 0 gm/liter |

PRECAUTIONS: The uncured components of this product can cause irritation to the eyes, skin, mucous membranes, respiratory tract, and maybe harmful if swallowed. When handling, avoid contact with eyes and skin (especially open cuts). Wear protective clothing, gloves, goggles, etc. to minimize contact with material. This product is used in combination with materials which may contain isocyanates and may cause allergic skin or respiratory reactions. Personnel applying these coatings should wear protective clothing, use respiratory protection, safety goggles and gloves. Avoid contact of material with skin or eyes and avoid breathing the solvent vapors. Mix and apply in well-ventilated areas and observe normal safety precautions required for isocyanate containing materials. Read the MSDS sheets before using this product. THIS PRODUCT IS FOR PROFESSIONAL USE ONLY.

LIMITED WARRANTY: Tufflex Polymers, LLC (TUFFLEX) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any TUFFLEX materials prove to contain manufacturing defects that substantially effect their performance, TUFFLEX will, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by TUFFLEX with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. TUFFLEX specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of TUFFLEX'S liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the TUFFLEX material in question.

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