



# SHEP CURE & TILT PLUS WB

## CURE & BONDBREAKER

### DESCRIPTION

Shep Cure & Tilt Plus WB is a long chain chemically reactive bondbreaker for tilt-up construction. Shep Cure & Tilt Plus WB is free of silicones, resins and waxes. Panels will lift clean and free of resin staining. Organic compounds in Shep Cure & Tilt Plus WB react with the free limes in the concrete, producing gels that form a water impermeable barrier. The water impermeable barrier restricts mix water (needed for hydration) from being sucked into the casting slab. The resulting downside surface of the panel will be stronger and have a more uniform appearance. Shep Cure & Tilt Plus WB will not interfere with bondability of paints and coatings designed for exterior concrete when applied according to their manufacturer's instructions. Shep Cure & Tilt Plus WB prevents bonding of masonry and concrete droppings from overhead pour areas.

### DIRECTIONS FOR USE

**Curing New Concrete:** Must be mixed or agitated before each use. Cure the entire casting slab with Shep Cure & Tilt Plus WB immediately after final steel troweling and surface water has disappeared. Coverage should be 400 square feet per gallon or the point of rejection for smooth, steel troweled surfaces. Even though this coat is applied as a cure, this is the first and most important bondbreaker coat. It is absolutely necessary for Shep Cure & Tilt Plus WB to remain at the surface of the slab and not be absorbed down into the pores. Heat, low humidity and wind make it more imperative to apply Shep Cure & Tilt Plus WB immediately after finishing. The solvents in Shep Cure & Tilt Plus WB are lighter than water so the cure and bondbreaker will float and remain on the surface of the slab if applied soon enough. The entire slab must be completely covered. **DO NOT OVER OR UNDER APPLY.**

**Bondbreaker Coat:** Must be mixed or agitated before each use. Pour areas must be smooth, dense and well cured. Clean area to be treated by sweeping or with compressed air. Just prior to placing reinforcing steel and within two

weeks of pouring panels, spray apply Shep Cure & Tilt Plus WB at 500 to 700 square feet per gallon (to the point of rejection) depending on slab porosity, heat and wind. Spray at right angles to primer coat spray pattern. Wait until dry, a minimum of two hours, and apply a second or safety coat before placing steel. Apply second coat at right angles to previous coat. Coverage will typically be 550 to 700 square feet per gallon. Due to slab porosity, actual coverage rate can only be determined by the presence of soap-like feel over the entire slab. Do not over apply Shep Cure & Tilt Plus WB. Puddles and excess material must be avoided. Wipe up excess material with squeegee or rags. Do not walk on areas sprayed with Shep Cure & Tilt Plus WB until dry. Do not apply below 40° F. Do not apply Shep Cure & Tilt Plus WB over frost or standing surface water. Wait until Shep Cure & Tilt Plus WB is completely dry before pouring concrete panels.

**Casting Over Old Concrete:** Must be mixed or agitated before each use. When casting over old concrete where Shep Cure & Tilt Plus WB was not used as the primer coat, be sure the concrete is smooth, dense, clean and suitable for pouring panels. It is essential that a membrane of Shep Cure & Tilt Plus WB is formed at the surface prior to placing reinforcing steel, and within two weeks of pouring panels. Flood slab with water and push off excess with squeegee leaving no puddles. Immediately apply Shep Cure & Tilt Plus WB to point of rejection, 300-500 square feet per gallon. After drying, apply a second safety coat of Shep Cure & Tilt Plus WB to point of rejection at 500-700 square feet per gallon. The second coat should be applied at right angles to first coat. If light or white spots appear within 20-40 minutes, reapply Shep Cure & Tilt Plus WB. **OTHER CURING COMPOUNDS NOT RECOMMENDED.**

**Before Pouring:** Always test casting slab by sprinkling a few drops of water on slab in various places. Water should bead as if on a waxed car. If there have been heavy showers, heavy foot traffic or excessive time lapse, test water may soak into slab. This would necessitate pulling steel and respraying Shep Cure & Tilt Plus WB. Shep Cure & Tilt Plus WB resists light foot traffic and some rains. Avoid excessive traffic which could damage the chemical film.

**Exposed Aggregate:** For sand-bed-exposed aggregate panels, when using Shep Cure & Tilt Plus WB, contact manufacturer for instructions.

**DRY TIME**

Approximately 2 hours at 70°F (21 °C). Cooler temperatures higher humidity and thicker bondbreaker coats will extend the dry time.

**CLEAN UP**

Prior to material drying, use water. After material dries, use mineral spirits, naphtha, or xylol.

**ESTIMATED COVERAGE**

Curing.....	400 sq. ft./gal.	Smooth Finish
Bondbreaking		
First Coat.....	500-700 sq. ft./gal.	Smooth Finish
Second Coat.....	550-700 sq. ft./gal.	Smooth Finish

Shep Cure & Tilt Plus WB must be dry before recoating. Coverage rate is dependent on slab porosity, wind and temperature. Over application may cause dusting. The above recommended coverage rates are averages based on average site and concrete conditions. Complete and uniform coverage of the casting slab varies considerably with variations in the placing, curing, concrete mix design, density, finishing, and site specific ambient conditions. It is not possible for the recommendations provided by this data sheet to accommodate and account for all variables associated with the coverage rate and application of the bondbreaker. It is the contractor’s responsibility to verify that the applied coverage rates and overall application of the bondbreaker is commensurate with the specific site variables and conditions.

**RECOMMENDATIONS**

- Do not apply to reinforced steel.
- Avoid overapplication.

- Puddles, runs and excess material must be avoided. Wipe up with squeegee or rags.
- Avoid spray drift.
- Foot traffic should be avoided on sprayed areas until dry.
- Rain occurring prior to the sprayed areas drying can necessitate re-application.
- Best results are obtained if pour area is fogged with water immediately before pouring.
- Avoid scouring slabs or panels when pouring..

**LIMITATIONS**

Shep Cure & Tilt Plus WB must be mixed or agitated before each use. Do not allow stored product to freeze. Wait until Shep Cure & Tilt Plus WB is completely dry before pouring concrete panels. Do not apply to reinforcing steel. Avoid over application. Wipe up puddles and excess material with squeegee or rags. Do not walk on areas sprayed with Shep Cure & Tilt Plus WB until dry. If rain occurs while Shep Cure & Tilt Plus WB is drying, check for reapplication. For optimal performance, fog the pour area with water immediately before pouring concrete. Shelf life for unopened containers is six months. Store between 40°F. and 90°F. Do not apply below 40° F. Liquid floor hardeners can be applied after 30 days and after the floor has been cleaned with a solution of trisodium phosphate and detergent followed by a rinse and power brooming.

**LIMITED WARRANTY:** NOTICE - READ CAREFULLY. CONDITIONS OF SALE. Manufacturer offers this product for sale subject to, and Buyer and all users are deemed to have accepted, the following conditions of sale and limited warranty which may be varied by written agreement of a duly authorized corporate officer of Manufacturer. No other representative of or for Manufacturer is authorized to grant any warranty or to waive limitation of liability set forth below.

**Warranty Limitation:** Manufacturer warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, Manufacturer will replace the defective product with new product without charge to the purchaser. Manufacturer makes NO OTHER WARRANTY, either expressed or implied, concerning this product. There is NO WARRANTY OF MERCHANTABILITY. In no case shall Manufacturer be liable for special, indirect or consequential damages resulting from the use or handling of the product, and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which damages are claimed.

**Inherent Risk:** MANUFACTURER MAKES NO WARRANTY TO THE PERFORMANCE OF THE PRODUCT AFTER IT IS APPLIED BY THE PURCHASER, AND PURCHASER ASSUMES ALL RISKS ASSOCIATED WITH THE USE OR APPLICATION OF THE PRODUCT.