

# SPECTILT EX

Quick drying reactive VOC/OTC compliant solvent-based bondbreaker

## DESCRIPTION

SPECTILT EX is a chemically reactive tilt up bond breaker specially engineered to provide a clean, easy lift of tilt-up panels. SPECTILT EX is formulated with a unique solvent blend allowing fast-drying, solvent-base performance along with VOC compliance in the OTC/LADCO/MRPO regions.

- Fast drying for improved productivity in cool damp climates
- Chemically reactive
- Clean panels - no residue, stain, or discoloration
- Resists foot traffic abrasion
- OTC/VOC compliant less than 350g/l

## APPLICATION

### Curing New Concrete:

Ready to use. Do not dilute. When used as a cure, SPECTILT EX should be applied immediately after the final steel troweling, after the surface water has disappeared. Waiting too long to apply the cure coat can result in porous, dry casting slabs that will not yield favorable results. The entire slab must be completely covered. When applied on tightly steel troweled concrete, SPECTILT EX meets the moisture retention requirements of ASTM C-309. Typical application for curing is 200-400 sq -ft/gal.

### Bondbreaker Coat:

Casting slab must be properly cured, smooth, and dense. Remove all dust, dirt, and other contaminants prior to application. SPECTILT EX should be applied just prior to placing reinforcing steel and within two weeks of pouring panels. Spray apply at 400 sq ft per gallon or to the point of rejection. Wait until dry and then apply a second coat at right angles to the previous coat. Coverage rate of second coat is typically 500 - 700 sq ft per gallon. Complete uniform coverage is necessary on casting slab. If treated slab appears uneven or has light colored spots, this may indicate a porous slab that requires additional applications of bondbreaker. If after additional applications, these light spots persist, thoroughly wet affected areas with water to fill concrete pores. Squeegee off excess water and then immediately reapply SPECTILT EX. Allow bondbreaker to thoroughly dry. An adequate application is indicated only by the presence of a dry soap like feel apparent to the touch over the entire treated slab. Do not allow foot traffic until the slab is thoroughly dry.

### Bondbreaker Coat on Old or Water Cured Concrete:

Verify that the concrete surface is free of curing compounds or other substances that could adversely affect the performance of SPECTILT EX. The slab must be smooth, dense, well cured and clean. Prior to placing reinforcing steel and within two weeks of pouring panels, flood casting slab surface with clean water. Squeegee off

excess water and immediately apply SPECTILT EX to the damp slab to the point of rejection, typically 300 - 500 sq ft per gallon. Allow to dry and then apply a second coat at the same rate but at right angles to the previous coat. Allow to thoroughly dry. As before, if light colored areas appear after drying, a porous slab may be indicated and reapplication will be necessary. The application rate can vary greatly depending upon the porosity of the slab and the ambient conditions. Do not under or over apply. It is the contractor's responsibility to ensure the even presence of SPECTILT EX at the surface of the casting slab prior to pouring concrete. Do not allow foot traffic until the slab is thoroughly dry.

### Before Pouring Concrete:

Verify that the entire treated surface has a dry soap like feel to the touch. Test casting slab by sprinkling a few drops of water in several places. The water should bead up like on a newly waxed car. In hot and/or dry weather, mist or fog the entire slab with water prior to pouring. Avoid scouring the casting slab surface by using a deflection board. Heavy rains or rains prior to bondbreaker coats drying may necessitate reapplication.

When using SPECTILT EX for sand bed casting, contact Spec Chem for specific recommendations.

### Stack Panels:

Extra care must be used with stack panels as they tend to transfer water across their interface, increasing the possibility of the "osmotic effect" that leads to sticking. It is recommended that SPECTILT EX be applied as the cure coat @ 200-250 sq-ft per gallon prior to the bondbreaker coat between each layer to decrease the chance of sticking.

### Painting of Panels:

If SPECTILT EX has been properly applied and has not been over applied, painting of the panels can be performed as soon as the moisture content in the concrete is at an acceptable level for the paint manufacturer. Coating manufacturer's instructions for surface preparation and application must be followed and supersedes information in the data sheet.



1511 Baltimore Ave, Suite 600  
Kansas City, MO 64108

[www.specchemllc.com](http://www.specchemllc.com)

866.791.8700

## APPLICATION (cont.)

### Other Instructions:

Not recommended for use as a bondbreaker on broom or rough finished concrete surfaces. Spray apply for best results. Job site conditions can vary greatly. Always ensure the complete presence of bondbreaker prior to pouring panels. Contact SpecChem technical service for additional instructions or recommendations.

## CLEANING

Tools, sprayers, and other equipment may be cleaned with mineral spirits or other approved solvents. With proper application, the casting slab and panels will not require cleaning, but may be washed with a mild detergent or power washed to remove any over application.

## LIMITATIONS

**SPECTILT EX dries much faster than standard solvent-based products. Tip: When spraying SPECTILT EX keep pressure in pump up sprayers as high as possible to ensure a steady and even spray pattern. Maintain the sprayer tip near the concrete, within 12 inches.**

**Mix Design: The use of pozzolans such as flyash and slag in the casting bed typically slow the rate of hydration, and reduce bleed making the casting bed more susceptible to drying shrinkage and increase surface porosity at the time of cure application. This increased porosity will require a heavier cure coat to achieve adequate hold-out. Contact SpecChem for further information.**

**SpecChem strongly recommends that no pozzolans be used in the panel concrete.**

Avoid over application. SPECTILT EX must be completely dry prior to pouring concrete. Do not walk on bondbreaker until completely dry. For best performance, mist the pour area with water immediately before pouring concrete.

**Do not apply below freezing (32°F) Concrete must be free of frost or any contaminants prior to application.**

**Do not store below 20°F without conditioning at room temperature for 24 hours prior to application.**

**Important:** If the concrete is cured without using a SpecChem bondbreaker or without an ASTM C 309 membrane forming curing compound, please contact a SpecChem representative.

**DO NOT EXPOSE TO OR APPLY NEAR FIRE OR FLAMES. FOR WELL VENTILATED OR EXTERIOR USE ONLY!**

## PACKAGING

SPECTILT EX is packaged in 55 gallon drums and 5 gallon pails.

## SHELF LIFE

Store material in the original tightly closed containers. Moisture allowed to contaminate open drums may cause gelling. Do not allow the accumulation of water, dirt, or other contaminants. The shelf life of properly stored SPECTILT EX is two years from the date of manufacture.

## PRECAUTIONS

**DO NOT CUT OR WELD CONTAINER  
FLAMMABLE LIQUID  
KEEP AWAY FROM OPEN FLAME  
INDUSTRIAL USE ONLY**

Additional precautions, safety information and first aid are contained in the Material Safety Data Sheet.

## WARRANTY

### NOTICE-READ CAREFULLY CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

### WARRANTY LIMITATION

SpecChem 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, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

### INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.



**1511 Baltimore Ave, Suite 600  
Kansas City, MO 64108**

**www.specchemllc.com**

**866.791.8700 of 2**