



**Environmental Report Card**

- ✓ Non-flammable
- ✓ VOC compliant
- ✓ Non-carcinogenic
- ✓ Solventless
- ✓ Non-toxic
- ✓ Water based

# CRETE-LEASE<sup>®</sup>

## “BOND BREAKER-Xtra”

### for Tilt-Up

# Specification Sheet

### 1. PRODUCT NAME

Crete-Lease “Bond Breaker-Xtra” for Tilt-Up

### 2. MANUFACTURER

Cresset Chemical Co., Inc.  
 One Cresset Center  
 Weston, Ohio 43569  
**800-367-2020** USA & Canada  
 419-669-2041  
 (FAX) 419-669-2200  
 www.cresset.com  
 cresset@cresset.com

### 3. PRODUCT DESCRIPTION

**Basic Use:** Crete-Lease “Bond Breaker-Xtra” is a new chemistry “Green” technology water based bond breaker. Use it on cast concrete slabs to promote the release of a “freshly” poured tilt-up wall section. Crete-Lease “Bond Breaker-Xtra”:

- Is non-staining
- Resists modest rains
- Is non-toxic
- Minimizes water penetration into base slab
- Meets VOC regulations in all states
- Contains a blue fugitive dye

**Limitations:** Keep from freezing. If frozen, must be remixed very well.

### 4. TECHNICAL DATA

Please see Tables.

### 5. APPLICATION

**Preparatory Work:** Concrete casting slab must be CLEAN, DRY, AND FREE FROM CONTAMINANTS. If drum has set for more than one month, some mixing of the drum contents is desirable.

**Methods:** Apply Crete-Trete 309 Cure & Seal to the fresh and finished concrete. Allow it to dry. Mix the

### TABLE OF PROPERTIES

<b>Color</b>	Light blue
<b>Freeze Temperature</b>	35°F (1°C)
<b>Freeze Damage</b>	Separates
<b>Flash Point</b>	N/A
<b>Viscosity (centipoises)</b>	10 @ 68°F
<b>Solids</b>	None
<b>Pounds per Gallon</b>	8.4
<b>VOC</b>	2 g/L

**Composition:** A proprietary polymer in water. Contains no solvents, silicones, resins or waxes.

Crete-Lease “Bond Breaker-Xtra”. Spray apply first coat of “Bond Breaker-Xtra” at 400 sq ft/gal. Allow to dry. (See Notes 1 and 2.) Apply second coat at a right angle (perpendicular) to the original coat and at 400 sq ft/gal. Allow to dry. (See Notes 1 and 2.) Crete-Lease “Bond Breaker-Xtra” dries to a transparent blue wax-like coating.

**Removal:** High pressure water, approximately 1,000 psi (7,000 kPa) or higher, removes dried Crete-Lease “Bond Breaker-Xtra”. If the water is hot, removal is faster.

**Notes:** 1. Proper drying is critical. Hot days, wind and/or porous concrete contribute to quick drying. When dried properly, the film is obviously continuous (no cracking or flaking, etc.) and the surface feels waxy, but not sticky. Test by seeing if water will bead on it. The best test, however, is to see if you can scrape off small bits of the film with your fingernail.

2. Drying depends on temperature and humidity. At 70°F and about 50% relative humidity Crete-Lease “Bond Breaker-Xtra” dries in about 30 minutes. All water based coatings take much longer to “dry” when the ambient weather is near the dew

point or the humidity is very high. Can take as long as two hours to dry when humidity is very high.

3. If the “Bond Breaker-Xtra” is improperly dried (cured) you will observe one or all of the following: chalking (the blue will wipe off), dusting, flaking and maybe a sticky film. If “sticky” is the only observation, then allow a little extra time for drying.

4. If the film is drying too fast (20 minutes or less) and/or you do observe chalking, dusting and/or flaking, then pre-moisten, by fogging with water, the concrete base. Be sure there is no standing water... do not apply “Bond Breaker-Xtra” over puddled water.

5. A proper application can occur when the “Bond Breaker-Xtra” does not bead as it is being applied. It should spray on with a continuous film. If beading does occur, it may be caused by the “Bond Breaker-Xtra” and cure film not being compatible. Please note that a continuous film is required to get a good application, but it is not the only factor for producing flawless tilt-up panels.

6. A dense surfaced slab is best for doing tilt-up. Many factors, in-

cluding good troweling and curing, contribute to a dense or tight (non-porous) surface. Helpful tips include getting the cure on immediately after troweling.

7. Casting surfaces cured with polyethylene, paper or water may not be as dense or tight on the surface as properly troweled concrete. When applying "Bond Breaker-Xtra" to these surfaces, fogging water onto the concrete casting surface just before applying the "Bond Breaker-Xtra" is required. Do not apply "Bond Breaker-Xtra" over puddled or standing water.

8. Broomed or textured concrete casting slabs require heavier applications of "Bond Breaker-Xtra". Apply "Bond Breaker-Xtra" in several regular applications...not one thick application. Apply "Bond Breaker-Xtra" in the direction of the texture; for example, if the broom strokes go north and south, then apply the "Bond Breaker-Xtra" in the same direction. However, stand on the "east" side for the first north-south application, then stand on the "west" side for the second north-south application.

## 6. AVAILABILITY AND COST

Crete-Lease "Bond Breaker-Xtra" is available in new 1 and 5 gallon containers; new 55 gallon drums and 275 gallon MegaPaks. Contact Cresset Chemical Company for your nearest distributor.

**Cost:** The cost on hard, smooth surfaces is about \$0.04 per square foot (January 2007).

## 7. LIMITED WARRANTY

Cresset Chemical Company warrants the product against defects in materials for a period of 8 months from purchase. If Cresset receives notice of such defects during the warranty period, Cresset at its option will either replace the product or refund the purchase price. THE WARRANTY SET FORTH ABOVE IS EXCLUSIVE AND NO OTHER WARRANTY, WHETHER WRITTEN OR ORAL, IS EXPRESS OR IMPLIED. CRESSET SPECIFICALLY DISCLAIMS THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE REMEDIES PROVIDED HEREIN ARE BUYER'S SOLE AND EXCLUSIVE REMEDIES. IN NO EVENT SHALL CRESSET CHEMICAL COMPANY BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING LOSS OF PROFIT) WHETHER BASED ON CONTRACT, TORT OR ANY OTHER LEGAL THEORY.

## 8. MAINTENANCE

Not required.

## 9. TECHNICAL SERVICES

Cresset Chemical Company specializes in developing, distributing and servicing release agents. Our technical support includes assistance in optimizing concrete mixtures for achieving architectural surfaces; release agent compatibility with superplasticizers, coatings, form facings, etc.; and solving other concrete surface blemish problems.

### *Free literature includes:*

- Catalog of products
- Material Safety Data Sheets
- "Cresset Concrete Standards" (Application techniques to obtain high visual impact concrete surfaces)
- "Surface Voids and How to Eliminate Them"

Over 75 distributors in the United States, Canada, Australia and Germany to serve you. Your technical inquiries are welcome, please call, write or FAX.