

# PRODUCT DATA

## CHEMBETON

Standard performance, general purpose, chemically and physically active concrete form release agent.

VOLATILE ORGANIC COMPOUND (VOC) REGULATORY COMPLIANCE

|               | USEPA | OTC I | OTC II | AZ-MCAQMD | CARB - 2000 | CARB - 2007 | CARB-2013CAQMD | CANADA |
|---------------|-------|-------|--------|-----------|-------------|-------------|----------------|--------|
| CHEMBETON 100 | ■     | ■     | ■      | ■         | ■           | ■           | ■              | ■      |
| CHEMBETON 250 | ■     | ■     | ■      | ■         | ■           | ■           | ■              | ■      |
| CHEMBETON 450 | ■     | ■     | ■      | ■         | ■           | ■           | ■              | ■      |

### HOW IT WORKS

CHEMBETON contains ingredients that physically repel both water and concrete, as well as chemically active compounds that react with lime present in fresh concrete, to yield a releasing compound directly on the form surface.

### APPLICATIONS

- ◆ Can be used on most form surfaces, except foam and soft rubber forms.

### ADVANTAGES

- ◆ Provides a crisp, positive release.
- ◆ Reduces form cleaning and maintenance costs. Forms become self-cleaning with continued use.
- ◆ Resists removal by foot traffic and rain.
- ◆ Can be used on forms that have been previously treated with competitive form oils.
- ◆ Surpasses performance requirement of US Corps of Engineers, GSA and Bureau of Reclamation specifications for nonstaining form oil.
- ◆ Ready to use - requires no dilution.
- ◆ Low odor - pleasant pine scent
- ◆ Can be stored at below freezing temperatures.
- ◆ Good cold weather sprayability. ASTM D97 pour point: -30° F (-34° C).
- ◆ For extreme cold temperatures, use RELEASE AGENT #10 or NOX-CRETE FORM COATING.
- ◆ Can be applied up to three weeks in advance of concrete pour.
- ◆ Treated forms can be stacked promptly.
- ◆ Protects metal and wood forms from weather damage prior to pour.
- ◆ Will not stain concrete surfaces and concrete can be painted with proper surface preparation.
- ◆ Use to coat concrete mixing and placing equipment to prevent concrete splatter and accumulation of buildup.
- ◆ Available in versions that meet all federal and state VOC requirements.

### ⚠ PRECAUTIONS ⚠

- ◆ Not generally recommended for use in architectural concrete applications. Use NOX-CRETE FORM COATING or RELEASE AGENT #10.
- ◆ A slight darkening may be observed when this product is stored in polyethylene plastic totes and exposed to ultraviolet radiation from the sun, or other artificial sources.

### USE INSTRUCTIONS

- ◆ Request current product literature, labels and safety data sheets from manufacturer and read thoroughly before product use.
- ◆ Site environmental conditions, substrate conditions and construction have a major effect on product selection, application methods, procedures and rates, appearance and performance. Product literature provides general information applicable to some conditions. However, an adequate site test application by the purchaser or installer in advance of field scale use is mandatory (irrespective of any other verbal or written representations) to verify that product and quantities purchased can be satisfactorily applied and will achieve desired appearance and performance under intended use conditions.
- ◆ Application rates necessary to optimize performance vary with the form surface condition, porosity, concrete buildup (if any), concrete composition, concrete curing time, and temperatures.
- ◆ Typical application rate range on an absorptive plywood surface is 600-800 sf/gal. (15-20 sm/L). Typical application rate on non-absorptive plywood surfaces is up to 1,500 sf / gal. (37 sm / L).
- ◆ Can be applied by all conventional methods, but spray application is highly recommended.
- ◆ Apply to clean, reasonably dry forms using care to prevent contact with reinforcing steel.
- ◆ Avoid puddles, runs and excessive spray drift.
- ◆ Treat form brackets, tie rods, concrete buckets, shoring and scaffolding daily or as required to soften existing concrete buildup and prevent future accumulations.
- ◆ Clean application equipment with mineral spirits immediately following use.

Form Release Agent

nox-crete®

chemical solutions to concrete problems



COMPLIANT TO NSF/ANSI 61

CHEMBETON 100

## TECHNICAL DATA

|                    | Chembeton 100                | Chembeton 250                | Chembeton 450                 |
|--------------------|------------------------------|------------------------------|-------------------------------|
| Color, ASTM D2300  | 1.0 - 1.5                    | 1.0 - 1.5                    | 1.0 - 1.5                     |
| Clarity            | Clear                        | Clear                        | Clear                         |
| Odor               | Pine Scent                   | Pine Scent                   | Pine Scent                    |
| Flash Point        | >200° F (93° C)              | >185° F (85° C)              | >140° F (60° C)               |
| Bulk Density       | 7.0 lbs./gal.<br>(.837 kg/L) | 7.2 lbs./gal.<br>(.862 kg/L) | 7.26 lbs./gal.<br>(.870 kg/L) |
| VOC                | <100                         | <250                         | <450                          |
| VOC Classification | Form Release Agents          | Form Release Agents          | Form Release Agents           |

## PACKAGING

Product is packaged in 5 gal (19 L) pails, 20 liter pails, 55 gal (208 L) drums, 200 liter drums, 275 gal (1,040 L) totes and 1,000 liter totes.

## SHELF LIFE

Shelf life is two years. Use before the "USE BY" date stated on product packaging.

## HANDLING/STORAGE

Store in a dry location within a temperature range between 40° F (4° C) and 100° F (38° C). To minimize darkening, store all polyethylene plastic totes inside and away from direct sunlight and all other sources of ultraviolet radiation.

## AVAILABILITY & TECHNICAL SERVICES

In addition to corporate offices in Omaha, Nebraska, Nox-Crete Inc. maintains regional offices and distribution centers in principal markets throughout the world. For source or technical information, call 800-669-2738 or 402-341-2080.

## LIMITED WARRANTY

### NOTICE-READ CAREFULLY

#### CONDITIONS OF SALE

NOX-CRETE 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 only be varied by written agreement of a duly authorized corporate officer of NOX-CRETE. No other representative of or for NOX-CRETE is authorized to grant any warranty or to waive limitation of liability set forth below.

#### WARRANTY LIMITATION

NOX-CRETE 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, NOX-CRETE will replace the defective product with new product without charge to the purchaser.

NOX-CRETE makes NO OTHER WARRANTY, either express or implied, concerning this product. There is NO WARRANTY OF MERCHANTABILITY. In no case shall NOX-CRETE 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 RISKS

NOX-CRETE MAKES NO WARRANTY WITH RESPECT 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.



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www.nox-crete.com

Updated 12/02/24. This version replaces all previous versions.

1444 S. 20th St. • P.O. Box 8102 • Omaha, Nebraska 68108 United States  
PHONE: (800) NOX-CRETE (669-2738) or (402) 341-2080