

## CRETE-NOX TA

Water based concrete surface retarder for exposing aggregate in horizontal concrete.



VOLATILE ORGANIC COMPOUND (VOC)  
REGULATORY COMPLIANCE

USEPA  
CARB-SCM  
SCAQMD  
LADCO, OTG  
UT-R307, CO  
MCAQD  
CT, MD, DE, D.C.  
CANADA

CRETE-NOX TA ■ ■ ■ ■ ■ ■ ■ ■

### HOW IT WORKS

Applied immediately following concrete finishing, CRETE-NOX TA interacts with cement to interrupt the normal hydration process and delay the set on approximately 1/8 - 1/4 inch of the top surface concrete. The hardening process of underlying concrete proceeds at the normal rate. When subsurface set can support the weight of workers, the retarded surface matrix will still be soft and can easily be removed to expose underlying aggregate.

### APPLICATIONS

- ◆ Use to expose aggregate on concrete walkways, entryways, driveways, patios, balconies and other horizontal concrete pedestrian or vehicular driving surfaces.
- ◆ Use in precast applications to expose aggregates on numerous types of precast elements.

### ADVANTAGES

- ◆ Decorative exposed aggregate surfaces can be produced without the critical time requirement associated with the "wet wash" method at a fraction of the cost of mechanical texturing.
- ◆ True aggregate finish is achieved, unlike the dull finish obtained with abrasive blasting.
- ◆ Ideal for large individual pour areas.
- ◆ Does not discolor resulting concrete.
- ◆ Leaves no residue. Will not interfere, react with or prevent adhesion or penetration of subsequently applied hardeners, sealers or other coatings and toppings.
- ◆ Ready to use.
- ◆ Contains a green fugitive dye to aid in uniform application.
- ◆ Green Engineered™ – better for health and the environment.
- ◆ Meets all federal and state VOC requirements.

### ▲ PRECAUTIONS ▲

- ◆ Do not use on concrete containing set accelerators or on concrete that has been allowed to cure more than a few minutes following final finishing and/or disappearance of surface bleed water.
- ◆ Do not use on vertical concrete surfaces.
- ◆ Protect from freezing. Allowing product to freeze can cause the container to rupture as well as separation of the active components, resulting in poor product performance. Product which is suspected of freezing should not be used.

- ◆ Verify that product is within the "USE BY" date stated on product packaging. Do not use expired product. The use of expired product may result in poor product performance or failure.

### 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 impact 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.
- ◆ Read "Concrete Surface Set Retarders, Basic Information, Technical - Procedural Data" information, available separately.
- ◆ Application of 150 sf/gal. will typically provide 3/16 - 1/4 inch etch with typical mix designs under normal weather conditions. Shallower etches can be obtained by extending coverage rate.
- ◆ Achieve as flat a surface as possible during final finishing to avoid low spots or depressions that could accumulate excess retarder. Excessive tamping may depress heavy aggregate and minimize exposure.
- ◆ CRETE-NOX TA can be applied by brush or roller. It is best applied with a low pressure sprayer such as the NOX-CRETE PERFECT SPRAYER or, for larger areas, a suitable power sprayer. Contains a green fugitive dye that acts as a built-in coverage indicator. Apply immediately following final float or screed and after surface bleed water has disappeared.
- ◆ Apply CRETE-NOX TA uniformly. Avoid skips, puddles, overlap, spray drift and material accumulations at headers and control joints.
- ◆ Begin matrix removal as soon as set of subsurface concrete can support the weight of workers. Use water jet and stiff bristled brushes for removal. Remove promptly

CRETE-NOX TA

Surface Retarders



chemical solutions to concrete problems

within 24 hours after concrete placement.

- ◆ Cure exposed aggregate areas with SPARKL-SEAL LVOC or SPARKL-SEAL E. Apply a second seal coat to achieve a uniform “wet look” appearance.
- ◆ Clean application equipment with soap and water.

## MORE INFORMATION

Refer to the ‘Concrete Surface Retarders’ Technical Bulletin to learn more.

## TECHNICAL DATA

|                        |                              |
|------------------------|------------------------------|
| <b>Color</b>           | Green Liquid                 |
| <b>VOC</b>             | <40 g / L                    |
| <b>Bulk Density</b>    | 9.6 lbs. / gal. (1150 g / L) |
| <b>Clarity</b>         | Clear                        |
| <b>Flash Point TCC</b> | >200° F (94° C)              |
| <b>Odor</b>            | None                         |
| <b>Viscosity</b>       | Water Thin                   |
| <b>Freeze Point</b>    | 20° F (-7° C)                |

## PACKAGING

Product is packaged in 1 gal (3.8 L) jugs, 5 gal (19 L) pails and 55 gal. (208 L) drums.

## 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).

## 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.