



# CRETE-NOX TA

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

## 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.

## USE INSTRUCTIONS

- ◆ Request current product literature, labels and material 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 within 24 hours after concrete placement. Review the data available on "Concrete

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admixtures/surface set retarders



chemical solutions to concrete problems

Surface Set Retarders, Basic Information, Technical-  
Procedural Data” sheet under the heading of “Matrix  
Removal.”

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

### TECHNICAL DATA

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

One year from date of manufacture in properly stored  
original factory sealed containers. Use product before date  
stenciled on container.

### IMPORTANT NOTICE:

PLEASE READ “CONCRETE SURFACE SET RETARDERS, BASIC INFORMATION, TECHNICAL-  
PROCEDURAL DATA”

### HANDLING/STORAGE

CRETE-NOX TA must be protected from freezing.  
Exposure to temperatures below freezing may render  
product unsuitable for use.

### AVAILABILITY & TECHNICAL SERVICES

In addition to corporate offices in Omaha, Nebraska,  
NOX-CRETE Products Group maintains regional offices  
and distribution centers in principal markets throughout the  
world. For source or technical information, phone (800)  
669-2738 or (402) 341-1976.

### 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 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.