

## RAPID ROCK

Single component, fast setting, non-shrink, expansive type, calcium aluminate cement based anchoring product.

### HOW IT WORKS

Expansive type hydraulic cements chemically react to set in less than 20 minutes. Hardens quickly, developing excellent pull-out strength.

### APPLICATIONS

- ◆ Use to anchor bolts, rods, posts, railings or other fixtures into concrete.
- ◆ Use to quickly repair static cracks, holes, voids and cavities in concrete and masonry.
- ◆ Use to anchor heavy equipment or machinery into concrete.

### ADVANTAGES

- ◆ Develops high early strength.
- ◆ Sets in 20 minutes.
- ◆ Can be used in interior or exterior applications. Once cured, RAPID ROCK is not affected by moisture.
- ◆ Does not contain gypsum.
- ◆ Pourable viscosity.
- ◆ Does not contain chlorides -- will not cause steel to rust.

### ⚠ PRECAUTIONS ⚠

- ◆ Do not featheredge. Minimum thickness is 1/2 inch (13 mm).
- ◆ Do not mix more RAPID ROCK than can be applied within 10 minutes.
- ◆ Do not apply when air or substrate temperatures are below 50° F (10° C) or above 90° F (32° C).
- ◆ Do not add plasticizers, accelerators, retarders or additional cement.
- ◆ Do not retemper with water.
- ◆ Do not add more than the recommended amount of water.

### 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.

- ◆ Remove all unsound concrete, grease, oil, dirt, laitance and other foreign contamination from the surface.
- ◆ Before placing RAPID ROCK, thoroughly saturate concrete bonding area with water. Remove excess water and allow concrete bonding surface to dry slightly before grout is placed.
- ◆ Holes should be a minimum of 2 inches (50 mm) deeper and at least 1 inch (25 mm) larger in diameter than embedded fixtures.
- ◆ Cavities and voids should be a minimum of 1/2 inch (13 mm) in depth.
- ◆ Pre-wet mixing containers and drain excess water prior to mixing initial batch.
- ◆ Add the appropriate amount of clean mixing water (see technical data) to mixer and slowly add dry RAPID ROCK while continuously mixing. Mix for 1-3 minutes or until a uniform consistency is achieved.
- ◆ Promptly pour flowable mixture in a manner to avoid entrapment of air voids. Rodding the mixture lightly will help to consolidate and remove air voids.
- ◆ Do not subject embedded fixtures to loads until adequate strength has developed.
- ◆ When repairing concrete, slightly overfill the area to be patched. After the product begins to set, the excess can be shaved off using the sharp edge of a steel trowel.
- ◆ Suitable application temperatures (air, material and substrate) range between 50° F (10° C) and 90° F (32° C).
- ◆ RAPID ROCK does not require special curing. Air curing at ambient temperatures is all that is required.

### WATER REQUIREMENT

Batch Size	10 lbs. (4.5 kg)	20 lbs. (9.1 kg)
Plastic	0.7 qts. (0.7 L)	1.3 qts. (1.2 L)
Flowable	0.7 qts. (0.7 L)	1.4 qts. (1.3 L)

Note: Jobsite conditions may affect actual quantities of water needed. Above mixing water recommendations are intended only as a guide.



## MIXED YIELD

Mixed Pail	23 lbs. (10.5 kg)	Approx. 0.17 ft. <sup>3</sup> (4.8 L)
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## TECHNICAL DATA

Test Method	Parameter	Test Results
ASTM C109	<b>Compressive Strength</b>	<b>Temp. 70° F (21° C)</b>
	1 Hour	2,400 psi (16.5 MPa)
	7 Days	3,700 psi (25.5 MPa)
	28 Days	4,700 psi (32.4 MPa)

## PACKAGING

Packaged in 20 lb. (9.1 kg) resealable, plastic pails.

## SHELF LIFE

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

## HANDLING/STORAGE

Read Safety Data Sheet (SDS) prior to using. Contains cement and silica sand. Use proper safety equipment (gloves, goggles or glasses and dust masks). Store in a cool, dry area.

## 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.