

## VINYL HESIVE



Reemulsifiable, water based, polyvinyl acetate (PVA) bonding agent and admixture for interior concrete, cementitious mixes, stucco and plaster.

### HOW IT WORKS

As a bonding agent, Vinyl-Hesive increases the bonding properties of freshly placed patching and overlay materials to the substrate, improving the durability of repairs. As an admixture, Vinyl-Hesive improves the strength and adhesion properties of applied materials.

### APPLICATIONS AS BONDING AGENT

- ◆ Use to bond fresh concrete to existing concrete in horizontal, vertical and overhead patching and overlay applications.
- ◆ Use to improve the bond strength of all portland cement based concrete, repair mortars, grouts, etc.
- ◆ For interior use only.

### APPLICATIONS AS ADMIXTURE

- ◆ Use to improve the strength properties and reduce the shrinkage of all portland cement based concrete, repair mortars, grouts, etc.
- ◆ Use in cementitious plaster and stucco mixes.
- ◆ For interior use only.

### ADVANTAGES

- ◆ Reemulsifiable/rewettable properties allow for longer working time. Can be applied up to 10 days prior to cementitious product placement.
- ◆ Improves physical and bond strength properties of cementitious products.
- ◆ Minimizes shrinkage and increases the durability and service life of delamination and spall repair mortars.
- ◆ Reduces surface crazing cracks.
- ◆ Green Engineered™ – better for health and the environment.
- ◆ Meets all federal and state VOC requirements.

### ▲ PRECAUTIONS ▲

- ◆ Use only in interior applications where product is not subject to exposure to water.
- ◆ Do not use when ambient or substrate surface temperatures are below 50° F (10° C).
- ◆ Do not use as an admixture in formed concrete applications.

- ◆ High addition rates in mortar and concrete may retard set and delay development of physical properties.
- ◆ Maintain a minimum ambient or surface temperature of 45° F (7° C) for 48 hours. Lower temperatures or high humidity will extend curing time.
- ◆ Do not use as an admixture in air entrained concrete mixes.
- ◆ Do not subject applied areas to foot traffic for at least 24 hours at 70° F (21° C).
- ◆ Do not apply product directly over dynamic cracks, control joints, expansion joints or isolation joints.
- ◆ Protect from freezing. If allowed to freeze, product packaging may rupture and the emulsion stability of this product may be affected, making it difficult to keep product mixed during application. 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 material 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 to be repaired.
- ◆ Smooth concrete surfaces should be abraded by shotblasting, sandblasting or scarifying to roughen the surface for better adhesion.
- ◆ Concrete surfaces should be saturated with water and all standing water removed before application.

VINYL HESIVE

Grouts, Mortars & Admixtures



chemical solutions to **concrete** problems

- ◆ Suitable application temperatures (air, material and substrate) should be 50° F (10° C) or warmer.
- ◆ Mix product well before use.

## **BONDING AGENT**

- ◆ Product is ready to use; do not dilute.
- ◆ Apply using a brush, broom, roller or sprayer.
- ◆ Typical application rate is 150-250 sq. ft. (3.7-4.9 sm/L).
- ◆ Allow applied product to dry.
- ◆ Any areas not covered within 10 days should be recoated.

## **ADMIXTURE**

- ◆ Vinyl-Hesive can be substituted for all or part of the water required in many cementitious products.
- ◆ Typical mix designs consist of 2-5 gallons (8-19 liters) of Vinyl-Hesive per 94 lb (43 kg) bag of cement.
- ◆ The appropriate amount of Vinyl-Hesive should be slowly added to the dry cement mix. Add additional product or water to achieve the desired consistency.
- ◆ Small quantities should be mixed using a low-speed mechanical mixer. Larger quantities should be mixed using a paddle-type mortar mixer. Mix for approximately 2 minutes or until a lump-free consistency is achieved. Avoid incorporating air into the mixture.

## **TECHNICAL DATA**

<b>Color</b>	Milky White
<b>Clarity</b>	Opaque
<b>Bulk Density</b>	8.7 lbs./gal. (1042 g/L)
<b>Odor</b>	Pleasant
<b>Freeze Point</b>	32° F (0° C)
<b>VOC</b>	0 g/L

## **PACKAGING**

Packaged in 1 gal (3.8 L) jugs and 5 gal (19 L) pails.

## **SHELF LIFE**

Shelf life is one year. 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 Products Group 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.