

# MIX STATION

## HOW IT WORKS

The MIX STATION mounts to the 2-inch bung opening of a 55-gallon drum or a 275-gallon tote. Pressurized water is connected to the feed line side of the venturi mixing chamber. The pickup tube is inserted into the concentrated form release agent. Properly diluted and fully mixed product is discharged at the rate of 2.0 gpm into a sprayer tank or transfer vessel.

## APPLICATIONS

- ◆ Specifically designed to dilute and mix NOX-CRETE'S ALUMI-CON, PRO-RELEASE CONCENTRATE and UTILITY RELEASE super concentrated form release agents.
- ◆ For use by commercial and residential concrete forming contractors.
- ◆ Ideal for use in shop applications where concentrated form release agents can be uniformly diluted with water and discharged into portable spray tanks or transfer vessels.

## ADVANTAGES

- ◆ Provides accurate and dependable dilution and mixing performance.
- ◆ Built-in water feed line regulator assures consistent dilution performance irrespective of water pressure.
- ◆ Eliminates labor-related dilution and mixing errors.
- ◆ Low maintenance venturi design contains no moving parts.
- ◆ High volume mixing chamber allows for a 2.0 gpm flow rate.
- ◆ Various mixing plugs available enables user to achieve infinite dilution ratios to fine tune release agent performance to match the specific application.
- ◆ Allows user to mix only the amount of release agent necessary for immediate use - minimizing emulsion stability problems common to ready-to-use products.
- ◆ All MIX STATION parts are resistant to form release agent chemical attack, providing years of trouble-free service.

## ▲ PRECAUTIONS ▲

- ◆ NOX-CRETE'S MIX STATION is designed only for use with ALUMI-CON, PRO-RELEASE CONCENTRATE and UTILITY RELEASE super concentrated form release agents. Do not use with any other products.
- ◆ Do not install a shut-off valve on the MIXING STATION'S discharge line. Doing so may cause pressurized water to flow through the pickup tube into the concentrated form release agent storage container.
- ◆ Do not store or use under freezing conditions.
- ◆ Do not lengthen the discharge hose. Lengthening the discharge hose increases back pressure which may affect the dilution ratio.

## USE INSTRUCTIONS

- ◆ Request current (verify) product literature, labels etc., from manufacturer and read thoroughly before product use.
- ◆ Before operating, read and follow the instructions and warnings provided on the Product Data Sheet and the Material Safety Data Sheet of the product you are applying.
- ◆ To ensure the proper dilution ratio for your needs, refer to the chart for the product you are diluting, located on the following page. Select the proper mixing plug based on the current temperature of the product and the desired dilution ratio. The ambient air temperature and the temperature of the product to be diluted may not necessarily be the same. The dilution ratio is easily changed by simply changing the mixing plug. Insert the proper mixing plug into the pickup tube.
- ◆ Remove the 2-inch bung cap from the drum of concentrated form release agent to be used.
- ◆ Insert the pickup tube into the 2-inch bung opening. Carefully thread the metal cap attached to the venturi mixing chamber into the 2-inch drum or tote opening and gently tighten.
- ◆ Attach the water feed line to the intake side of the

MIX STATION

Application Equipment



chemical solutions to concrete problems

pressure regulator. Proper operation of the MIX STATION requires a minimum water pressure of 50 psi (3.45 KPa).

- ◆ Turn valve on the venturi mixing chamber to the "off" position.
- ◆ Turn the feed water on and open the valve on the venturi mixing chamber to the "on" position to make finished product. To stop, turn the valve on the venturi mixing chamber to the "off" position.

## 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.

# PLUG SELECTION CHART

To ensure proper dilution ratio, select the proper mixing plug based on the actual temperature of the product. Product temperature and ambient temperature are not necessarily the same.

### ALUMI-CON

**Release Agent Use**  
6:1 Recommended Dilution Ratio

Plug #	Product Temperature
6	40° F (4.4° C) - 45° F (7.2° C)
5	45° F (7.2° C) - 52° F (11° C)
4	52° F (11° C) - 59° F (15° C)
3	59° F (15° C) - 85° F (29.4° C)

**Maintenance Coat Use**  
3:1 Recommended Dilution Ratio

Plug #	Product Temperature
Remove Plug	50° F (10° C) - 65° F (18.3° C)
6	65° F (18.3° C) - 85° F (29.4° C)

### PRO-RELEASE CONCENTRATE

**Release Agent Use**  
6:1 Recommended Dilution Ratio

Plug #	Product Temperature
6	40° F (4.4° C) - 45° F (7.2° C)
5	45° F (7.2° C) - 52° F (11° C)
4	52° F (11° C) - 59° F (15° C)
3	59° F (15° C) - 85° F (29.4° C)

**Maintenance Coat Use**  
3:1 Recommended Dilution Ratio

Plug #	Product Temperature
Remove Plug	50° F (10° C) - 65° F (18.3° C)
6	65° F (18.3° C) - 85° F (29.4° C)

### UTILITY RELEASE

**Release Agent Use**  
7:1 Recommended Dilution Ratio

Plug #	Product Temperature
2	40° F (4.4° C) - 52° F (11° C)
1	52° F (11° C) - 85° F (29.4° C)

**Maintenance Coat Use**  
2:1 Recommended Dilution Ratio

Plug #	Product Temperature
Remove Plug	40° F (4.4° C) - 85° F (29.4° C)