



## VIMASCO CORPORATION

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**760 NG**

# NUCLEAR GRADE HIGH TEMPERATURE FIBROUS ADHESIVE

760 NG is a special version of our sodium silicate based fibrous adhesive which is designed for use in nuclear applications where it is important to minimize the risk of stress corrosion of carbon steel, stainless steels, Inconels, or other sensitive alloys. 760 NG contains only minimal levels of chlorides, fluorides, oxidizable sulfur and other leachable contaminants which are potential causes of this corrosion, and it complies in full with NRC Reg. Guide 1.36 and MIL-DTL-24244D(SH). 760 NG has been fully tested by an independent laboratory and each production batch is tested for compliance with the appropriate standard/specification (test reports are available upon request).

760 NG is intended for high temperature applications up to 800°F. It is most frequently used to bond calcium silicate insulation, but it can be used to bond any type of light to medium weight material of moderate density. It is not recommended for use with glass or mineral wool insulation without doing a test application first because its high pH may cause deterioration of some binders used in these types of insulations.

760 NG may be applied by brush or trowel (application method must be specified when ordering). For best results, both surfaces of the material involved should be coated with 760 NG and allowed to stand a minimum of two and a maximum of ten minutes prior to joining.

NOTE: 760 NG in the dry state is soluble in water and therefore is not suitable for outdoor application or application where it will be exposed to moisture unless it will be properly protected.

*Vimasco manufactures under a stringent quality assurance program in accordance with MIL-I-45208. Our manufacturing and Quality Assurance procedures are routinely audited by government and private inspectors.*

In accordance with OSHA Standard 29 CFR 1910.12 (Right to Know Law) a Material Safety Data Sheet is available for this product and all Vimasco products.

### ALL VIMASCO PRODUCTS ARE ASBESTOS FREE.

or implied.

The methods and condition of application over which we can exercise no control are important factors in the performance of our products. We make specific recommendations for the application and use of all Vimasco products, but we cannot enforce our recommendations upon users; therefore, it is necessary that we state, as a condition of sale of our products, that we will replace or refund the purchase price of any Vimasco product found by our laboratories to be defective, but that we assume no responsibility beyond the purchase price of the materials.

No representative of our Company, Distributor, or Agent has any authority to change or extend this condition of sale.

### SPECIFICATION COMPLIANCE

MIL-DTL-24244D(SH)

NRC Reg. 1.36

### COLOR

Tan

### COVERAGE (ASTM C 461)

50 to 75 sq. ft./ gal.

(1.22 to 1.83 m<sup>2</sup>/liter)

### DRYING TIME (D 1640-69)

Approximately 2 hours to 4 hrs.

(Depending upon temperature and relative humidity.)

### WEIGHT PER U.S. GALLON (ASTM D 1475-60)

11.4 pounds (1.37 kg/liter)

### SOLIDS

50% by weight; 23.9% by volume

### APPLICATION TEMPERATURE RANGE

35°F (2°C) to 160°F (71°C)

### SERVICE TEMPERATURE RANGE

Maximum 800°F (427°C)

### pH

11 to 12

### FIRE HAZARD CLASSIFICATION (ASTM E 84)

Flame Spread 5

Fuel Contributed 0

Smoke Developed 0

### FLAMMABILITY

No flash to boiling @ 212°F (ASTM D 93)

### CLEANUP

Water

### SHELF LIFE

18 months

In unopened container @ 40° to 90°F

### CAUTION

The addition of water to this product will change physical and chemical characteristics. Do not thin or alter in any manner. Protect from freezing during storage and application until it is thoroughly cured.

**STIR WELL BEFORE USING.**