



# VIMASCO CORPORATION

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## 713 NG

## NUCLEAR GRADE LAGGING ADHESIVE AND COATING

713 NG is a specifically formulated nuclear grade version of our standard 713 Lagging Adhesive and Coating. It contains only minimal levels of chlorides, fluorides, oxidizable sulfur and other leachable contaminants which are potential causes of stress corrosion of carbon steel, stainless steels, Inconels and other sensitive alloys. 713 NG complies in full with the chemical and corrosion requirements of NRC Regulatory Guide 1.36 and MIL-DTL-24244D(SH). Independent, government-approved test reports are available upon request.

In addition to meeting the above mentioned stress corrosion criteria, 713 NG complies in full with MIL-A-3316C (the Naval specification for fire resistant adhesive for thermal insulation) and is on the most recent Qualified Products List (QPL) of that specification. 713 NG has a unique full bodied constancy which minimizes dripping and sagging and it has excellent brushability. It also retains excellent fire resistance in spite of its low chloride levels.

713 NG is normally used in conjunction with lagging cloth to hold insulation on piping or related equipment in nuclear areas where austenitic stainless steel is present, though it can be used to bond other types of material as well. 713 NG has very good adhesion and provides a tight moisture-resistant bond between lagging cloth and insulation. It forms a tough paint-like outer surface which is resistant to mild alkalis, asphalts, acids, and salts. It may be washed and repainted.

713 NG is normally applied by brush, spray or roller at coverage rates ranging from 40 to 64 square feet per gallon.

713NG, until thoroughly cured, must be protected during and after application from: precipitation, freezing, oil, grease and foot traffic.

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

### **ALL VIMASCO PRODUCTS ARE ASBESTOS FREE AND CONTAIN NO LEAD OR MERCURY COMPOUNDS.**

Vimasco products are designed to meet the needs of specific situations. They are warranted to be effective for their intended uses only. No further warranties are expressed 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.

05/06

### **SPECIFICATION COMPLIANCE**

MIL-DTL-24244D(SH)  
NRC Reg. Guide 1.36  
MIL-A-3316C (QPL listed)

### **COLOR:**

White - Grade A; Red - Grade B

### **COVERAGE (ASTM C 461)**

43 sq ft/gal @ .015 inch dry  
(1.03 m<sup>2</sup>/liter @ .38mm)

### **DRYING TIME (ASTM D 1640-69)**

To touch: 2 hours; Through: 12 to 48 hours  
(Depending upon temperature and relative humidity)

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

10.8 pounds (1.31 kg/liter)

### **SOLIDS:**

54% by weight 40% ± 2% by volume

### **SERVICE TEMPERATURE RANGE**

0°F to 200°F (-18°C to 93°C)

### **APPLICATION TEMPERATURE RANGE**

40°F to 120°F (4°C to 49°C)

### **FIRE HAZARD CLASSIFICATION (ASTM E 84)**

Flame Spread 15; Smoke Developed 5

### **FLAMMABILITY WHILE WET (ASTM D 93)**

No flash to boiling at 212°F

### **CLEANUP**

Wet State: water Dry State: safety solvent

### **RECOMMENDED SHELF LIFE**

18 months in unopened container  
@ 40°F (4°C) to 90°F (32°C)

### **CAUTION**

The addition of water to this product will change important physical and chemical characteristics. Do not thin or alter it in any way.

*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 industry inspectors.*