



## VIMASCO CORPORATION

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**739**  
**BrushSeal™**

## VAPOR-BARRIER COATING

739 *BrushSeal™* Coating is an economical but effective vapor-barrier coating for use over all types of thermal insulation on cold systems. It is specifically formulated for optimal use on systems operating below ambient temperature but not below 32° F, but it can be used on colder systems as long as adequate insulation thickness is present. It effectively retards the passage of water vapor on applications such as chilled water lines, air conditioning ducts, or other pipes or vessels within these temperature parameters. Colder systems than the above are better protected with Vimasco's 749 VaporBlok™ which has a lower perm rating and is designed for heavy-duty applications. On all cold systems, vapor barrier coatings will only perform well when the proper thickness of insulation is used.

739 *BrushSeal™* is formulated to have a smooth consistency which is easy to apply by brush. It can also be sprayed with the proper equipment. It is compatible with most normal types of thermal insulation used on commercial and industrial jobs, and normal facings such as ASJ, FSK, etc. If the application is to be directly on a foil facing it should be tested first for proper adhesion of the coating.

739 *BrushSeal™* is a safe, water-based product which has a mild latex type odor. It is fire resistive, meeting 25/50 flame and smoke requirements, and maintains its white color after application. It can be used indoors or outdoors though it should be noted that when exposed to UV light its color will dull slightly. Being a water-based product, 739 should not be applied on flat surfaces where it will be subjected to ponded water.

Protect from freezing during shipping and storage. After application, it must be protected from freezing and from precipitation or condensation until it is completely cured.

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.

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 applications 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 products 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.

**COLOR:** White

**WATER VAPOR PERMEANCE (ASTM E96 Proc A)**

.04 U.S. Perms at 40 mils dry film

**WATER VAPOR PERMEANCE (ASTM F 1249)**

Less than .08 U.S. Perms at 32 mils dry film

**COVERAGE (ASTM C 461)**

25 sq ft/gal at recommended minimum thickness of 1/16" wet  
This yields a dry film thickness of 32 mils.

**DRYING TIME (ASTM D 1640)**

To touch: 2 to 4 hours; Through: 12 to 48 hours  
(Depending upon temperature, relative humidity, and substrate)

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

10.7 pounds (1.28 kg/liter)

**SOLIDS** 67% by Weight, 56% by Volume

**SERVICE TEMPERATURE RANGE**

-20°F to 180°F (-29°C to 82.2°C)

Note: "Service temperature" refers only to the temperature of air or surfaces coming into direct contact with the coating. This should not be confused with the operating temperature of the system underneath the insulation, which may vary widely depending upon the effectiveness of the insulation used. 739 *Brush Seal™* will lose some flexibility at very cold temperatures and will soften at very warm temperatures.

**APPLICATION TEMPERATURE RANGE**

40°F to 120°F (4°C to 49°C)

**WET FLAMMABILITY (ASTM D 93)**

No flash to boiling, 212°F (100°C)

**VOC (VOLATILE ORGANIC COMPOUND CONTENT) (ASTM D 3960)**

0 g/L **MEETS REQUIREMENTS FOR LEED CREDIT 4.2**

**ELONGATION** 90% (30 mils dry @ 70°F) (.76 mm dry @ 21°C)

**CLEANUP** Wet state: water Dry state: safety solvent

**RECOMMENDED SHELF LIFE**

12 months in unopened container at 40°F (4°C) to 90°F (32°C)

(Note: If stored correctly, product often remains stable much longer than this.)

**CAUTION:** Do not add water to this product as that will change its physical properties and performance. No expressed or implied warranty will be offered on applications where the product has been thinned or altered in any way.

**SURFACE BURNING CHARACTERISTICS**

(ASTM E 84) Tested at Underwriters Laboratories, Inc.

Flame Spread: 0 Smoke Developed: 0

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