

# Protectokote

## ACRYLIC WEATHER COATING

Protectokote is a multi-purpose high-performance acrylic coating specifically formulated for use over marine insulation systems subject to a variety of difficult environmental conditions, but it is also suitable for use over many different types of insulation and other surfaces. Formulated from high-quality self-cross-linking latex, it provides a very durable protective coating and achieves superior adhesion to many different substrates. It has excellent fire resistance and resistance to weather, UV exposure, and moisture. It was originally developed for specialty military applications in conjunction with a Department of Defense contractor and it passed DOD requirements for flammability, elongation, flexibility, adhesion, durability, weathering performance, and thermal cycling.

Protectokote is a moderate vapor retarder so it can be used on some types of cold systems and is good for dual temperature systems. It maintains excellent elongation, flexibility, and resistance to puncture and is suitable for indoor or outdoor use. It has a notable ability to maintain good flexibility at very low temperatures beyond the ability of most latex coatings.

Protectokote has a viscosity like a very thick paint and can be brushed, rolled, or sprayed on. Applied in one coat or two it provides good resistance to a variety of environmental conditions and mechanical abuse at a dry film thickness of 40 mils or more. It also has good resistance to damage from chemicals, oils, salt spray, and hydraulic fluids, and is mildew-resistant.

Protectokote was tested at UL for the stringent surface-flammability and smoke-density requirements of the International Maritime Organization (IMO) and is certified for IMO applications (Coast Guard Approval No. 164.112/106/0).

Product should not be applied on flat surfaces where ponded water will occur on top of it. Product is water based and must be protected until is thoroughly cured from freezing, moisture, and other substances or conditions that might damage it while curing.

### 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 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.



### TECHNICAL DATA

COLOR	White, Gray
COVERAGE (ASTM C 461)	27.3 ft <sup>2</sup> /gal @ 40 mils dry (.67m <sup>2</sup> /l @ 1.01 mm dry)
DRYING TIME (ASTM D 1640-69)	To touch: 2 hours Thorough: 24 to 72 hours (depending upon temperature, relative humidity and substrate)
WEIGHT PER U.S. GALLON (ASTM D 1475)	12 pounds (1.4 kg/liter)
SOLIDS	76% by weight 68% ± 2% by volume
APPLICATION TEMPERATURE RANGE	40°F (4°C) to 110°F (43°C)
SERVICE TEMPERATURE RANGE	-20°F to 200°F constant; (-29°C to 93°C)
ADHESIVE STRENGTH	15 lbs. (per MIL-A-3316C, Class 1)
TYPICAL ELONGATION	1,500% (50 mils dry, @ 70°F)
WATER VAPOR PERMEANCE (ASTM F 1249)	.45 US Perms at 40 mils dry film (.30 metric perm at 1.14 mm dry film)
pH	7 to 9
THERMAL CYCLING	1,000 hours @ -40 to 160F, no cracking or loss of adhesion
ACCELERATED WEATHERING (ASTM G-154/B-117)	Pass, negligible discoloration (2%)
CLEANUP	Wet state: Water Dry state: Safety solvent
RECOMMENDED SHELF LIFE	12 months in unopened container; @40°F (4°C) to 90°F (32°C) (some separation may occur, stir to remix)
VOC (VOLATILE ORGANIC CONTENT, LESS WATER) (ASTM D 3960)	48 g/L MEETS REQUIREMENTS FOR LEED CREDIT 4.2

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.

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