

## PRODUCT PROFILE

<b>GENERIC DESCRIPTION</b>	Hybrid Silicone-Acrylic, Anti-Condensation Coating
<b>COMMON USAGE</b>	An innovative anti-condensation coating specifically designed for harsh marine environments. Ideal for reducing or eliminating condensation on bulkheads, overheads, tanks, pipes, ductwork, and other areas within marine vessels. This unique, water-based formulation contains a hydrophobic resin and particle blend that produces a durable, water-resistant system with excellent adhesion and durability. Part of a corrosion-resistant coating system that reduces condensation and issues associated with corrosion under insulation (CUI). Coating film contains biocides that aid in the prevention of mold and mildew growth.
<b>COLORS</b>	1272 Gray
<b>FINISH</b>	Matte
<b>SPECIAL QUALIFICATIONS</b>	Thermal Conductivity (ASTM C518 at 77°F): 0.049 W/m-°K or 0.3396 BTU-in/ft²-hr-°F. Approved by NAVSEA for Anti-Sweat under 009-32. Series 972 complies with the requirements for Bulkhead, Wall, and Ceiling applications in accordance with FTP Code IMO Parts 2 and 5.

## COATING SYSTEM

<b>PRIMERS</b>	<b>Steel:</b> Series 1224 or approved epoxy primer <b>Aluminum &amp; Non-Ferrous Metals:</b> Self-priming <b>Note:</b> Contact your Tnemec representative for additional information.
<b>TOPCOATS</b>	Contact your Tnemec representative for more information.

## SURFACE PREPARATION

<b>NON-FERROUS METAL</b>	Series 972 can be applied directly to non-ferrous surfaces. The surface must be clean, dry, and contaminant free. Surface preparation recommendations will vary depending on substrate and exposure conditions. Consult the Series 972 Aerolon Marine Application Guide or contact Tnemec Technical Services.
<b>ALL SURFACES</b>	Must be clean, dry and free of oil, grease and other contaminants.

## TECHNICAL DATA

<b>VOLUME SOLIDS</b>	72% ± 2% (practical)
<b>RECOMMENDED DFT</b>	20 to 50 mils (510 to 1,270 microns) per coat. Maximum IMO total DFT: 150 mils (3,810 microns) <b>Note:</b> Thickness recommendations will vary depending on specific project requirements and environmental conditions. Contact your Tnemec representative for more information.

### CURING TIME

Temperature <sup>†</sup>	To Touch	To Handle	To Recoat <sup>‡</sup>	To Topcoat
95°F (35°C)	45 minutes	8 hours	9 hours	12 hours
75°F (24°C)	2 hours	16 hours	18 hours	24 hours
45°F (7°C)	4 hours	24 hours	28 hours	36 hours

<sup>†</sup>Based on 50% humidity. <sup>‡</sup>Recoat times listed are with itself. **Note:** Curing time varies with surface temperature, air movement, humidity, and film thickness. Application in high-humidity conditions may increase curing time.

<b>VOLATILE ORGANIC COMPOUNDS</b>	0.26 lb/gal (31 g/L)
<b>HAPS</b>	0.00 lb/gal solids
<b>THEORETICAL COVERAGE</b>	1,155 mil sq ft/gal (28.3 m²/L at 25 microns). See APPLICATION for coverage rates.
<b>NUMBER OF COMPONENTS</b>	One
<b>PACKAGING</b>	Five-gallon pail yielding 4 gallons (15.1 L).
<b>DRY FILM WEIGHT</b>	0.035 lbs/sq ft at 20 mils DFT
<b>NET WEIGHT PER GALLON</b>	6.63 lbs ± 0.25 lbs (3.0 kg ± 0.11 kg) (mixed)
<b>STORAGE TEMPERATURE</b>	Minimum 40°F (4°C)      Maximum 110°F (43°C) PROTECT FROM FREEZING.
<b>TEMPERATURE RESISTANCE</b>	Continuous 325°F (163°C)
<b>SHelf LIFE</b>	12 months at recommended storage temperature.
<b>FLASH POINT - SETA</b>	>230°F (110°C)
<b>HEALTH &amp; SAFETY</b>	Paint products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product. <b>Keep out of the reach of children.</b>

# AEROLON® MARINE | SERIES 972

## APPLICATION

### COVERAGE RATES

	Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m <sup>2</sup> /Gal)
Minimum	20.00 (510)	28.0 (705)	58 (5.4)
Maximum	50.0 (1270)	69.5 (1765)	23 (2.1)

Practical coverage rates. Allow for overspray and surface irregularities. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below the minimum or above maximum recommended dry film thicknesses may adversely affect coating performance.

### MIXING

Mix thoroughly under low agitation. A box blade (H-paddle) is recommended.

### THINNING

Not normally required. May thin with clean water up to 5% by volume when needed to adjust viscosity.

### APPLICATION EQUIPMENT

The Graco RTX 5000 is the preferred application equipment. Please refer to the Series 972 Application Guide for specific information and other equipment options.

### SURFACE TEMPERATURE

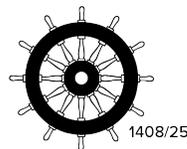
Minimum 45°F (7°C)                      Maximum 200°F (93°C)

The surface should be dry and at least 5°F (3°C) above the dew point. Coating will not cure below minimum surface temperature.

### CLEANUP

Flush and clean all equipment immediately after use with clean water.

### CERTIFICATIONS



WARRANTY & LIMITATION OF SELLER'S LIABILITY: Tnemec Company, Inc. warrants only that its coatings represented herein meet the formulation standards of Tnemec Company, Inc. THE WARRANTY DESCRIBED IN THE ABOVE PARAGRAPH SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The buyer's sole and exclusive remedy against Tnemec Company, Inc. shall be for replacement of the product in the event a defective condition of the product should be found to exist and the exclusive remedy shall not have failed its essential purpose as long as Tnemec is willing to provide comparable replacement product to the buyer. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, ENVIRONMENTAL INJURIES OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE BUYER. Technical and application information herein is provided for the purpose of establishing a general profile of the coating and proper coating application procedures. Test performance results were obtained in a controlled environment and Tnemec Company makes no claim that these tests or any other tests, accurately represent all environments. As application, environmental and design factors can vary significantly, due care should be exercised in the selection and use of the coating.