

AEROLON ACRYLIC SERIES 971

GENERIC DESCRIPTION	Fluid-applied acrylic insu	ilation coating					
COMMON USAGE	An innovative, fluid-applied, thermal insulating coating utilizing aerogel particles that imparts exceptional insulative properties to a variety of substrates. Ideal for insulating pipes, valves, tanks, structural steel, or other substrates where thermal improvement or personnel protection is desired. Part of a durable, corrosion-resistant coating system that bond to the substrate, greatly reducing the issues associated with corrosion under insulation (CUI) and mitigating thermal						
	bridging by controlling c						
COLORS Finish	1278 Insulation Yellow, V	white.					
SPECIAL QUALIFICATIONS	Matte Thermal Conductivity (ASTM C518 at 77°F): 0.0356 W/m-°K or 0.2468 BTU-in/ft ² -hr-°F (R value at one inch equals 4.1) Flame Spread (ASTM E84): Class A Smoke Developed (ASTM E84): Class A Tested in accordance with NORSOK M-501/ISO 20340						
	Series 971 meets the requirements of LEED-Low-Emitting Materials, Collaborative for High Performance Schools-Paints & Coatings, WELL Building Standard-VOC Restrictions, and Living Building Challenge–Healthy Interior Performance. Contact your Themec representative for more information.						
TING SYSTEM							
PRIMERS	 Steel: Series 1, 90E-92, 90-97, 90G-1K97, 90-98, 91-H₂O, 94-H₂O, 115, 118, 135, 394, 1220, 1224. Note: The use of zincrich primers is not generally recommended when in-service temperatures exceed 120°F (49°C). Reference NACE SP0198 for more information. Galvanized Steel and Non-Ferrous Metal: Series 115, 1224 Concrete: Series 154, 1220, 1224 CMU: Series 1224 Note: Refer to experioritate primer data sheet for maximum temperature resistance. 						
TOPCOATS	Note: Refer to appropriate primer data sheet for maximum temperature resistance. Series 22, 27WB, 72T, 115, 154, 1028T, 1094, 1095, 1096, 1224. Other topcoats may be available, contact your Tnemec representative for more information. Note: A cure time of 24 hours at 75°F (24°C) is required before topcoating Series 971. Extended cure time may be required at lower temperatures.						
ALVANIZED STEEL & NON- Ferrous Metal	Surface preparation reco version of Tnemec Techr	nical Bulletin 10-78 or co	ontact your Tnemec repre				
ALVANIZED STEEL & NON- FERROUS METAL All Surfaces HNICAL DATA VOLUME SOLIDS	version of Tnemec Techr Must be clean, dry and fr 76 ± 2.0% (practical) †	nical Bulletin 10-78 or co	ontact your Tnemec repre	esentative or Tnemec Tec	hnical Services.		
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PRODUCT DATA SHEET

AEROLON ACRYLIC | SERIES 971

COVERAGE RATES		Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m²/Gal)			
	Minimum	30.0 (762)	40.0 (1016)	41 (3.8)			
	Maximum	50.0 (1270)	65.0 (1650)	24 (2.3)			
	Practical coverage rates. Allow for overspray and surface irregularities. Application of coating below 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 1.5 ounces (45 mL) per gallon when needed to adjust viscosi						
LICATION EQUIPMENT	Refer to the Series 971 Application Guide or contact Tnemec Technical Services for specific application information.						
JRFACE 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. † Values may vary with color.						
NOTICE	Aerolon performance data, thermal modeling, and construction details are provided as a convenience to the architect, engineer, building owner, and applicator to aid in product selection. This information is based on standardized tests an specific construction designs that may not pertain directly to each building, structure, vessel, or project. Use and placement of the product, and product performance estimations shall be reviewed and approved by the project's design professional.						

WARRANTY & LIMITATION OF SELLER'S LIABILITY: Themec Company, Inc. warrants only that its coatings represented herein meet the formulation standards of Themec 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 WARRANTIS THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The buyer's sole and exclusive remedy against Themec 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 Themec 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 DE AVAILABLE TO THE BUYER. Technical and application information here in 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 Themec 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.

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