

Industrial Nanotech Nansulate[®],ç High Heat Translucent Insulation Coating

Category : Ceramic , Other Engineering Material , Ceramic/Metallic Coating

Material Notes:

Liquid insulation and corrosion protection incorporating Hydro-NM-Oxide, a product of nanotechnology. NANSULATE[®],ç liquid applied insulation is a premium industrial grade rust proofing protective insulation coating containing Hydro-NM-Oxide. NANSULATE[®],ç, when fully cured, contains a high level of Hydro-NM-Oxide along with acrylic resin and performance additives. Nansulate has proven resistance to both existing mold growth and new mold growth. Nansulate can also be used for Lead Abatement[®] as a lead encapsulation coating. 20 year warranty. Uses: Pipes, Tanks, Trucks, Textile, Attics, Walls, Ships, Automotive, Containers, Residential, Commercial, Industrial. Corrosion protection and insulation are now combined into one, solving the costly problem of CUI (corrosion under insulation). Excellent adhesion to a wide variety of substrates. User-friendly with no special tools needed and easy to apply. Effective three-coat system, which can be easily over-coated if desired. Ability to see the substrate through the material allows for visual inspection of pipes, tank and equipment. Mold resistance without use of potentially harmful anti-fungal agents. Encapsulate Lead with a smooth, water-based, environmentally friendly coating. Information provided by Industrial Nanotech, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Industrial-Nanotech-Nansulate-High-Heat-Translucent-Insulation-Coating.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	as supplied
Solids Content	28 - 32 %	28 - 32 %	By Volume
	30 - 34 %	30 - 34 %	By Weight
Viscosity	3500 - 4000 cP	3500 - 4000 cP	as supplied
Thickness	76.2 - 127 microns	3.00 - 5.00 mil	per coat; minimum three coats recommended

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0180 W/m-K	0.125 BTU-in/hr-ft ² - °F	cured coating
Maximum Service Temperature, Air	204 °C	399 °F	cured coating

Processing Properties	Metric	English	Comments
Processing Temperature	4.00 - 100 °C	39.2 - 212 °F	Application Temperature
Cure Time	60.0 - 120 min	1.00 - 2.00 hour	Hand Dry
	1440 - 2880 min	24.0 - 48.0 hour	hard dry (return to service)
	43200 - 86400 min	720 - 1440 hour	full cure

Descriptive Properties	Value	Comments
Color	Translucent	
Coverage per gallon	150 - 175 sq. ft. with three coats	

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