

MED-6607

RTV Silicone Dispersion Coating

Product Profile

Description

- High strength, one-part, flowable, RTV silicone dispersion

Typical Properties	Result	Metric Conv.	ASTM	NT-TM
Uncured:				
Cure System	Oxime	-	-	-
Appearance	Translucent	-	D2090	002
Non-Volatile Content	35%	-	D2288	004
Solvent	VM & P Naphtha	-	-	-
Viscosity	6,000 cP	6,000 mPas	D1084, D2196	001
Tack-Free Time	90 minutes	-	C679	005
Cured: 7 days @ 25°C, 50% R.H.				
Specific Gravity @ 25°C (77°F)	1.11	-	D792	003
Durometer, Type A	40	-	D2240	006
Tensile Strength	1,250 psi	8.6 MPa	D412, D882	007
Elongation	650%	-	D412, D882	007
Tear Strength, Die B	95 ppi	16.8 kN/m	D624	009

Instructions for Use

Apply by dipping, brushing, or spraying. Average build per dip is 5 to 6 mils as supplied. Apply successive coats within 30 minutes of the preceding coat. For spraying, thin the coating with moisture free naphtha. Solvent addition must be free of moisture and mixed with MED-6607 in a closed container, preferably with a commercial paint shaker.

Note: Some bonding applications may require the use of a primer. NuSil Technology SP-120 is recommended.

Warning: Consult the MSDS for MED-6607 prior to use, as the solvent carrier is hazardous.

Substrate Consideration

Although generally considered to be non-corrosive to most substrates, the oxime cure system may cause discoloration in the presence of copper or copper alloys.

Storage

This material cures in the presence of atmospheric moisture. It is recommended that an inert gas, such as Argon or Nitrogen, be used to blanket the product before securely re-closing the container.

FDA Master Access File

A Master Access File for MED-6607 has been filed with the U.S. Food and Drug Administration. Customers interested in authorization to reference the Master Access File must contact NuSil Technology.

Warnings About Product Safety

Packaging

1 Pint (390 g)
 1 Gallon (3.12 kg)
 5 Gallon (16 kg)

Warranty

12 Months

NuSil Technology believes the information and the data contained herein are accurate and reliable. However, the user is responsible to determine the material's suitability and safety of use. NuSil Technology cannot know each application's specific requirements and hereby notifies the user that it has not tested or determined this material's suitability or safety for use in any application. The user is responsible to adequately test and determine the safety and suitability for their application and NuSil Technology makes no warranty concerning fitness for any use or purpose. NuSil Technology has completed no testing to establish safety of use in any medical application.

NuSil Technology has tested this material only to determine if the product meets the applicable specifications. (Please contact NuSil Technology for assistance and recommendations when establishing specifications.) When considering the use of NuSil Technology products in a particular application, review the latest Material Safety Data Sheet and contact NuSil Technology with any questions about product safety information.

Do not use any chemical in a food, drug, cosmetic, or medical application or process until having determined the safety and legality of the use. The user is responsible to meet the requirements of the U.S. Food and Drug Administration (FDA) and any other regulatory agencies. Before handling any other materials mentioned in the text, obtain available product safety information and take the necessary steps to ensure safety of use.

Specifications

Do not use the typical properties shown in this technical profile as a basis for preparing specifications. Please contact NuSil Technology for assistance and recommendations in establishing particular specifications.

Patent Warning

NuSil Technology disclaims any expressed or implied warranty against the infringement of any patent. NuSil Technology does not warrant the use or sale of the products described herein will not infringe the claims of any United States' or other country's patents covering the product itself, its use in combination with other products or its use in the operation of any process.

Warranty Information

NuSil Technology's warranty period is 12 months from the date of shipment when stored below 40°C in original unopened containers. Unless NuSil Technology provides a specific written warranty of fitness for a particular use, NuSil Technology's sole warranty is that the product will meet NuSil Technology's then current specification. NuSil Technology specifically disclaims any other expressed or implied warranty, including warranties of merchantability and fitness for use. The exclusive remedy and NuSil Technology's sole liability for breach of warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. NuSil Technology expressly disclaims any liability for incidental or consequential damages.