

R-1008-5

RTV silicone coating/marketing ink

DESCRIPTION

- One part, flowable silicone elastomer dispersion
- Cures in 7 days at room temperature when exposed to atmospheric moisture
- Non-corrosive cure system
- The R-1008 series is available in Translucent (-0), White (-1), Black (-2), Red (-3), Orange (-4), Yellow (-5), Green (-6), Blue (-7), Violet (-8)

APPLICATION

- As a marking ink for silicone rubber parts and other components where the coating must maintain long term stability
- For applications requiring an operating temperature range of -65°C to 260°C (-85°F to 465°F)

PROPERTIES

Typical Properties	Average Result	Standard	NT-TM
Uncured:			
Appearance	Yellow	ASTM D2090	002
Viscosity	1,150 cP (1,150 mPas)	ASTM D1084, D2196	001
Non-Volatile Content	70%	ASTM D2288-69	004
Tack-Free Time	40 minutes	ASTM C679-87	005
Cured: 24 hours minimum at ambient temperature and humidity			
Adhesion*	Pass	ASTM D3359	039

The test data shown for this material is the average value for typical properties. All of these properties may not be tested on a lot to lot basis and cannot be used to draft specifications. Please [contact](#) NuSil® for assistance and recommendations in establishing limits for product specifications.

*Primed with SP-120

INSTRUCTIONS FOR USE

Mixing

Thoroughly stir prior to use to ensure a homogenous mixture. Apply with conventional paint spray equipment, rollers or brushes. Adjust viscosity to match the application method. Multiple coats may be required for specialized applications. Take care to ensure that layers have not completely cured before applying subsequent coats.

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

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.

Solvent Addition

R-1008-5 is dispersed in xylene and its viscosity may be lowered by adding compatible moisture free solvents. Among these solvents are xylene, toluene, hexane and VM&P naphtha. Mix without introducing moisture from the air into the coating. Accomplish proper mixture by agitation in a closed container on a commercial paint shaker

SPECIFICATIONS

Do not use the typical properties shown in this technical profile as a basis for preparing specifications. Please [contact](#) NuSil for assistance and recommendations in establishing limits for product specifications.

WARRANTY INFORMATION

The warranty period provided by NuSil Technology LLC is 12 months from the date of shipment when stored below 40°C in original unopened containers. Unless NuSil provides a specific written warranty of fitness for a particular use, NuSil's sole warranty is that the product will meet NuSil's then current specification. NuSil specifically disclaims all other expressed or implied warranties, including, but not limited to, warranties of merchantability and fitness for use. The exclusive remedy and NuSil'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 expressly disclaims any liability for incidental or consequential damages.

Packaging

50 Gram (0.05 kg)
1 Gallon (3.4 kg)
5 Gallon (17 kg)

Warranty

12 Months

WARNINGS ABOUT PRODUCT SAFETY

NuSil believes, to the best of its knowledge, that the information and data contained herein are accurate and reliable. The user is responsible to determine the material's suitability and safety of use. NuSil 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 makes no warranty concerning fitness for any use or purpose. NuSil has completed no testing to establish safety of use in any medical application.

NuSil has tested this material only to determine if the product meets the applicable specifications. (Please [contact](#) NuSil for assistance and recommendations when establishing specifications.) When considering the use of NuSil products in a particular application, review the latest Material Safety Data Sheet and [contact](#) NuSil 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, the user is advised to obtain available product safety information and take the necessary steps to ensure safety of use.

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