

R-1008-3

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 | Red | 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 |

*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 Technology 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-1008-3 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 properties shown in this technical profile as a basis for preparing specifications. Please [contact](#) NuSil Technology for assistance and recommendations in establishing particular specifications.

WARRANTY INFORMATION

The warranty period provided by NuSil Technology LLC (hereinafter "NuSil Technology") 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 all other expressed or implied warranties, including, but not limited to, 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.

Packaging

50 Gram
1 Pint (450 g)
1 Gallon (3.4 kg)
5 Gallon (17.0 kg)

Warranty

12 Months

WARNINGS ABOUT PRODUCT SAFETY

NuSil Technology 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 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, the user is advised to obtain available product safety information and take the necessary steps to ensure safety of use.

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