

Product Profile

CF1-135 High Technology Silicone Primer (Clear)

Description:

NuSil Technology's CF1-135 High Technology Silicone Primer is a specially formulated, one-component, clear primer. It is designed to be used with platinum-cured systems where the more conventional silicone primers are not satisfactory. CF1-135 is an air-drying primer supplied ready to use as a pourable solvent solution in convenient containers.

Applications:

When properly applied, CF1-135 silicone primer is designed to improve the adhesion of addition-cured silicones to various substrates. Included are metals, glass, ceramics, some plastics and other silicone materials.

Advantages:

- Improved adhesion to most substrates
- Single component, no mixing required
- Specially designed for platinum, addition-cured systems
- Convenient container size, less waste

Typical Properties as Supplied:

	<u>CF1-135</u>
Color	Clear
Viscosity, cps	1.0
Non-Volatile Content, %	5
Specific Gravity @ 25°C (77°F)	0.77
Flash Point, (TCC)	48°F

Solvent Type	VM&P Naphtha
Drying Time @ 25°C (77°F) 50% R.H.	30 minutes

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.

Applying:

NuSil Technology's CF1-135 High Technology Silicone Primer may be applied by brushing, wiping or dipping. A uniform, thin film is required. For best bonding results the following procedures are recommended:

1. Thoroughly clean and degrease the surface to be primed with an appropriate solvent and a coarse lint-free cloth.
2. Rinse off surface with clean solvent.
3. When the parts are completely dry, apply a uniform thin coat of CF1-135 primer by dipping, spraying or brushing. A camel hair brush may be used, or on smooth surfaces, a lint-free tissue. The dried primer coating will vary from clear to a slight haze. If the surface dries to a heavy whitish haze or a chalk appearance, the coating is too thick. Clean and reapply.
4. At room temperature and 50% relative humidity, the primer coat should be allowed to dry for 1/2 hour. Because this primer is actuated by

atmospheric moisture, lower humidity will require a longer drying time.

5. Apply appropriate NuSil Technology adhesive/sealant.

CAUTION: NUSIL TECHNOLOGY'S PRIMERS ARE SUPPLIED IN FLAMMABLE HYDROCARBON SOLVENTS. KEEP AWAY FROM HEAT AND OPEN FLAMES. USE ONLY WITH ADEQUATE VENTILATION.

Packaging:

1 Ounce bottle
2 Ounce bottle
4 Ounce bottle
8 Ounce bottle
16 Ounce bottle
Gallon container
5 Gallon container

Containers should remain sealed when not in use. These primers will hydrolyze upon contact with atmospheric moisture and reduce or destroy their effectiveness. Hydrolyzation is indicated by a milky appearance in the primers. Once occurred, the material cannot be reclaimed and will contaminate any unreacted primers.

Warnings About Product Safety:

NuSil Technology believes that the information and data contained herein is accurate and reliable; however, it is the user's responsibility to determine suitability and safety of use for these materials. NuSil Technology can not know the specific requirements of each application and hereby makes the user aware that it has not tested or determined that these materials are suitable or safe for any application. It is the user's responsibility 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. There has been no testing done by NuSil Technology 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 specification limits.) When considering the use of

NuSil Technology products in a particular application, you should review the latest Material Safety Data Sheets and contact NuSil Technology for any questions about product safety information you may have.

No chemical should be used in a food, drug, cosmetic, or medical application or process until you have determined the safety and legality of the use. It is the responsibility of the user 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, you should obtain available product safety information and take the necessary steps to ensure safety of use.

Specifications:

The typical properties shown in this technical profile should not be used 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 that the use or sale of the products described herein will not infringe the claims of any United States patents or other country's patents covering the product itself or the use in combination with other products or in the operation of any process.

Warranty Information:

NuSil Technology's warranty period is 6 months from date of shipment when stored below 40°C in original unopened containers. Unless NuSil Technology provides you with 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 express or implied warranty, including warranties of merchantability and of fitness for use. Your 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, and NuSil Technology

expressly disclaims any liability for incidental or consequential damages.