

Polymer Systems Technology Limited

UK & Ireland Distributor



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CF1-135 & CF1-136

High Technology Silicone Primer

Description

- Specially formulated primers designed for use with platinum-cured systems where conventional silicone primers are insufficient
- CF1-135 is translucent to preserve visibility with translucent products
- CF1-136 is colored red to provide easy visual determination of surface coverage
- One-component primers supplied in VM&P Naphtha require no mixing
- Air-drying
- Convenient container sizes produce less waste

Applications

- Improves the adhesion of addition-cured systems to various substrates including: metals, glass, ceramics, some plastics and other silicone material

Properties	Average Result		ASTM	NT-TM
	CF1-135	CF1-136		
Appearance	Translucent	Red	D2090	002
Percent Solids - Silicone Primers	4.5%	3.7%	D2369	047
Specific Gravity, Pycnometer	0.77	0.76	D891, D1475	022

Properties tested on a lot-to-lot basis. 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.

Instructions for Use

Applying

Apply by brushing, wiping or dipping a uniform thin film onto the substrates. The following procedures are recommended for best bonding results:

1. Clean and degrease the surface being primed with an appropriate solvent and a coarse lint-free cloth.
2. Rinse the surface off with clean solvent.
3. When completely dry, apply a uniform thin coat by dipping, spraying or brushing. A camel hair brush may be used, or on smooth surfaces, a lint-free tissue. Dried primer coatings vary from being clear to having a slight haze. If dried to a whitish haze or chalky appearance, the coating is too thick. Clean and reapply.
4. Allow to dry for 30 minutes at room temperature and 50% relative humidity. This primer is actuated by atmospheric moisture, so lower levels of humidity require longer drying times.
5. If needed, verify application of primer by exposing the substrate to UV light source (365 nm)
6. Apply the appropriate NuSil Technology adhesive/sealant.

Packaging

1 Ounce Bottle
2 Ounce Bottle
4 Ounce Bottle
8 Ounce Bottle
16 Ounce Bottle (340 g)
1 Gallon (2.88 kg)
5 Gallon (14.4 kg)

Warranty

12 Months

Storage

Containers should remain sealed when not in use. This material hydrolyzes in the presence of atmospheric moisture and it is recommended that an inert gas, such as argon or nitrogen, be used to blanket the product before closing the container. Hydrolyzation is indicated by the appearance of a precipitate. The formation of moderate amounts of precipitate as a result of hydrolyzation is inherent in this material and will not adversely affect the performance of the material.

Note: NuSil Technology's primers are supplied in flammable hydrocarbon solvents. Keep away from heat and open flames. Use only with adequate ventilation.

RoHS and REACH Compliance

CF1-135 and CF1-136 are compliant with the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) regulation contained in Article 4(1) of the European Parliament and Council's Directive 2002/95/EC. RoHS mandates that manufacturers restrict the use of lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, polychlorinated biphenyls, and polybrominated diphenyl ethers in electrical and electronic equipment.

CF1-135 and CF1-136 are also compliant with the Registration, Evaluation, and Authorization of Chemicals (REACH) regulation (European Union 1907/2006). CF1-135 and CF1-136 do not contain any of the 16 chemicals identified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA), which oversees REACH compliance.

Please contact NuSil Technology's Regulatory Compliance department with any questions or for further assistance.

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.

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.

Patent / Intellectual Property Warning

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