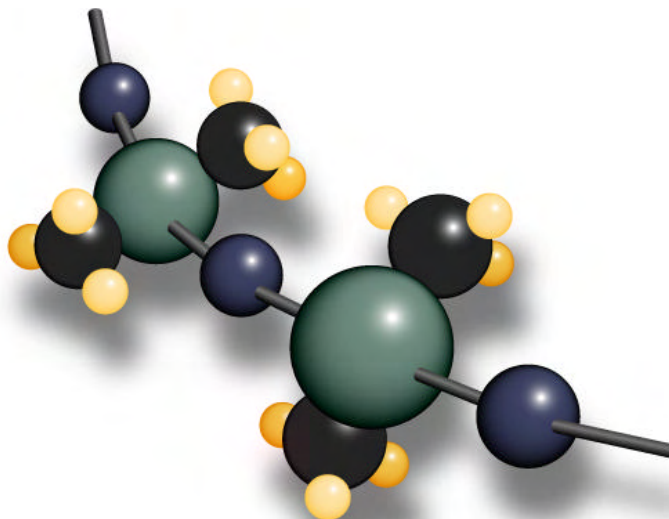


# Polymer Systems Technology Limited

UK & Ireland Distributor



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# LS1-3200

Optical Primer (Clear)

## Product Profile



NuSil Technology  
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### Description

- Specially formulated, optical primer
- Designed for use with optical platinum-cured systems where conventional silicone primers are insufficient
- One-component primer requires no mixing
- Air-drying
- Convenient container sizes produce less waste

### Applications

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

Typical Properties	Result	Metric Conv.	ASTM	NT-TM
Appearance	Translucent	-	D2090	002
Viscosity	1.0 cP	1.0 mPas	D455	025
Refractive Index	1.400-1.425	-	D1218, D1747	018
Non-Volatile Content	4.5%	-	D2369	047
Specific Gravity	0.77	-	D891	022
Flash Point, (TCC)	63°F	17.2°C	D92	092
Solvent Type	VM&P Naphtha	-	-	-

### 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. Apply the appropriate NuSil Technology adhesive/sealant.

#### 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 a milky appearance, and once occurred, the material cannot be reclaimed and will contaminate any unreacted primers.

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

#### Packaging

2 Ounce Bottle (4.5 g)  
4 Ounce Bottle (9 g)

#### Warranty

6 Months

## **Warnings About Product Safety**

NuSil Technology believes that the information and 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**

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## **Warranty Information**

NuSil Technology's warranty period is 6 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.