

LOCTITE STYCAST S 11NC PRIMER

April 2018

PRODUCT DESCRIPTION

LOCTITE STYCAST S 11NC PRIMER provides the following product characteristics:

Technology	Silicone
Appearance	Colorless liquid
Cure	Air
Product Benefits	Low viscosity
Application	Encapsulation, Potting

LOCTITE STYCAST S 11NC PRIMER is a low viscosity primer used for enhancing the adhesion of room temperature vulcanizing silicone resins. It is an effective primer for many RTV silicones that are subjected to temperatures as high as 200 to 250°C. This material is supplied as a diluted solution of a moisture reactive material in an anorganic solvent.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Density, g/cm ³	0.8 to 0.84
Shelf Life @ 18 to 25°C (from date of manufacture), days	360
Flash Point - See SDS	

TYPICAL CURING PERFORMANCE

Drying Conditions

Recommended Drying Time, minutes	60 to 90
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Non-Volatiles Contents

Non-VOC, %	3 to 7
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The above drying profile is a guideline recommendation. Conditions (time and temperature) may vary based on customers' experience and their application requirements, as well as customer drying equipment.

GENERAL INFORMATION

For safe handling information on this product, consult the Safety Data Sheet, (SDS).

DIRECTIONS FOR USE

- Surfaces to be printed should be cleaned to remove any oil, grease, scale, mold release or other foreign material.
- Thoroughly clean and degrease the surface with a suitable hydrocarbon solvent such as 1,1,1-trichloroethane. Handling precautions appropriate for the solvent selected should be observed. All solvents should be considered to be toxic and harmful. Adequate ventilation must be provided and precautions taken against exposure of flammable solvents to heat, sparks and open flames.
- Allow sufficient time and temperature for the surface to be completely dry of any cleaning agent.
- Brush or spray a thin coat of LOCTITE STYCAST S 11NC

PRIMER onto surfaces where required. Generally, a thin film or primer will give the best adhesion.

- Typically, LOCTITE STYCAST S 11NC PRIMER should be allowed to dry for at least 60 to 90 minutes. The primer coat should be solvent-free before application of the desired STYCAST product. At lower than normal temperatures and humidity, longer drying times will be required. The following chart will serve as a guide, but the optimum drying time for a specific surface is best determined by experimentation.

Relative Humidity (%)	Suggested Drying Time (h)
>70	1
60	1.5
50	2
40	3
30	5
>20	>7

- If the printed surface is kept clean and stored in an area free from airborne contaminants, RTV silicones can usually be applied at any time up to one week after using LOCTITE STYCAST S 11NC PRIMER.

STORAGE

Storage in cool, clean and dry areas is recommended.

LOCTITE STYCAST S 11NC PRIMER is water sensitive. The container should be kept tightly sealed when not in use. Repeated opening and closing of the container, which exposes the contents to moisture should be avoided.

Prolonged moisture exposure will be indicated by a milky appearance. When this occurs, the effectiveness of the primer will be reduced or destroyed.

Optimal Storage : 18 to 25 °C

Conversions

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{kV/mm} \times 25.4 = \text{V/mil}$
 $\text{mm} / 25.4 = \text{inches}$
 $\text{N} \times 0.225 = \text{lb}$
 $\text{N/mm} \times 5.71 = \text{lb/in}$
 $\text{psi} \times 145 = \text{N/mm}^2$
 $\text{MPa} = \text{N/mm}^2$
 $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$
 $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$
 $\text{mPa}\cdot\text{s} = \text{cP}$

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