

Primer Coatings for RTV Silicone Rubber

PRODUCT DESCRIPTION

Shin-Etsu Silicone air drying primer coats are one-component and require no mixing. They are a dilute solution of materials, used to promote chemical bonding to difficult-to-bond substrates and enhance adhesion of the RTV silicone.

DIRECTIONS FOR USE

Shin-Etsu Silicone primers provide a stronger, more uniform bond on many difficult-to-bond substrates. To achieve the optimum bonding results, the following steps are recommended:

1. Thoroughly clean surface with an environmentally suitable solvent to remove dirt, oil and grease. Allow time for solvent to dry.

When solvents are used, proper safety precautions must be observed. All solvents must be considered toxic and must be used only in well ventilated areas. Exposure to high vapor concentration must be avoided. Where flammable solvents are used, storage, mixing and use must be in areas away from heat, sparks, open flames or other sources of ignition.

2. After solvent dries, apply Shin-Etsu Silicone primer by brushing, dipping or spraying. Less is better. A thin-film of primer will provide the best results in most cases.

3. The drying time to be allowed for Shin-Etsu Silicone primers will vary, depending upon which primer is used. Consult chart 1-A to determine the time required for drying prior to applying the RTV silicone. Room temperature and humidity may affect the allotted times.
4. Once primer has been allowed to properly dry, apply RTV silicone as directed.

Caution: Shin-Etsu Silicone primers contain flammable hydrocarbon solvents and should be kept away from heat, sparks, and open flames. They should be used only in areas with adequate ventilation. Breathing primer vapors for prolonged periods can be hazardous. In case of direct contact with eyes, flush immediately with water for at least 15 minutes. Avoid prolonged or repeated contact with skin. If swallowed, DO NOT induce vomiting and call a physician immediately. Should primer get on clothing, remove clothing and wash before re-use.

Storage

Shin-Etsu Silicones primers should be kept tightly sealed when not in use and store in temperatures below 90°F (32°C).

Packaging

Shin-Etsu Silicone primers are available in pints.

Shipping

DOT classification Flammable.

Primer Coatings for RTV Silicone Rubber

Chart 1-A

Primer	C	A-10	A-50	X-33-139	D	X-65-196
Color	clear	clear	clear	Light Blue	clear	clear
Specific Gravity at 25°C	0.82	0.82	0.82	0.89	0.89	0.9
Flash Point	0°C	-20°C	-20°C	-4°C	4°C	-4°C
Solvent	VM&P Naptha	n-Hexane	n-Hexane	Toluene Ethyl Acetate	Toluene	n-Butanol
Drying Time in minutes at 25°C 50% RH	30	30	30	30	60	60
% Solids Content	10	10	10	10	20	10

Chart 1-B

Primer/Substrate Recommendation		
RTV Cure Mechanism	Glass & Reactive Metals	Organics (acrylic, carbonate, urethane)
Oxime	Primer C	Primer C
Acetone	Primer C	Primer C
Methoxy	Primer A-10 & A-50	Primer D
Acetoxy	Primer C	Primer C
Platinum	X-33-139	Primer X-65-196
Tin	Primer C	Primer D

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You should thoroughly test any proposed use of our products and independently conclude satisfactory performance in your application. Likewise, if the manner in which our products are used requires governmental approval or clearance, you must obtain it.

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Suggestions of uses should not be taken as inducements to infringe any patents

SPECIFICATIONS

The information and data contained herein are believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since Shin-Etsu Silicones cannot know all of the uses to which its products may be put or the conditions of use,



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