

Product Information

Construction

DOW CORNING®

1200 OS Primer

FEATURES

- ◆ Improves adhesion of silicone sealants to many substrates
- ◆ Provides more uniform and stronger bonds
- ◆ Easy to use
- ◆ Remains active for several hours after application
- ◆ Formulated for low toxicity, i.e. not a health hazard according to European directive 88/379/EEC
- ◆ Solvent used does not deplete the ozone layer
- ◆ Resistant to ozone, ultra-violet radiation and temperature extremes

APPLICATIONS

- ◆ Primer for silicone adhesive/sealants.

TYPICAL PROPERTIES

Specifications writers : These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

Method	Property	Unit	Value
	As Supplied Color		Colorless liquid
ASTM D1084B	Viscosity at 23°C (73.4°F)	mPa.s.	1
ASTM D56	Flash point - closed up	°C °F	27 80.6
ASTM D1298	Specific gravity at 23°C(73.4°F)		0.82
	Non-volatile content	%	5
	Solvent type		Volatile siloxanes

ASTM: American Society for Testing and Materials

DESCRIPTION

DOW CORNING 1200 OS Primer is used to improve adhesion and accelerate adhesion build-up of silicone sealants to various substrates. This moisture curing primer is supplied as a dilute solution of reactive materials in low viscosity siloxane.

HOW TO USE

With most surfaces, substantially stronger and more uniform bonds are obtained by preparing them with a primer prior to the application of the silicone sealants. For obtaining best results, the following steps should be followed on all surfaces except silicone rubber.

1. Clean the surface using a solvent and a lint-free cloth. Suitable solvents include xylene, MEK or isopropanol. Dry the surface with a second lint-free cloth.
2. For non porous surfaces, apply a thin coat of DOW CORNING 1200 OS Primer using a soft lint-free cloth. For porous surfaces a brush can be used for application. In most cases, a thin primer film will give best adhesion. Film thickness can be roughly estimated by appearance. A white chalked film indicates the coat applied was too heavy. In this case, wipe off excess prime coat with a clean lint free cloth.

3. At normal temperature and humidity conditions (room temperature, 50% R.H.), the primer should be allowed to air dry for about 15 minutes. At low temperature and humidity the primer could take up to 60 minutes to dry. Because the primer requires moisture from the air to cure, low humidity will necessitate longer drying time. The optimal drying time for a specific area should be determined prior to use. Primer which is allowed to cure extensively will not promote adhesion anymore. As a general rule, drying times of more than 6 hours at normal temperatures and humidity should be avoided.
4. Apply Dow Corning silicone sealant.
5. To avoid contamination and product deactivation, do not mix used materials into fresh primer. Always use buffer container when using brush.

HANDLING PRECAUTIONS

PRODUCT SAFETY

INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE FROM YOUR LOCAL DOW CORNING SALES REPRESENTATIVE.

USABLE LIFE AND STORAGE

When stored at or below 25°C (77°F) in the original unopened containers, this product has a usable life of 18 months from the date of production.

This material must be stored in a warehouse suitable for flammable materials.

Containers should be kept tightly sealed when not in use. The primer hydrolyses upon contact with air moisture, and prolonged exposure will reduce or destroy its effectiveness.

Once hydrolysed, indicated by a milky appearance, the material cannot be reclaimed, and will contaminate any unreacted primer.

PACKAGING

DOW CORNING 1200 OS Primer is available in standard industrial container sizes. For details please refer to your Dow Corning sales office.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Health, Environment and Regulatory Affairs specialists available in each area.

For further information, please consult your local Dow Corning representative.

WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Dow Corning specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless Dow Corning provides you with a specific, duly signed endorsement of fitness for use, Dow Corning disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.

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