

# DOW CORNING® 1200 OS Primer

## FEATURES

- Improves adhesion of silicone elastomers and foams to many substrates
- Provides more uniform and stronger bonds
- Easy to use
- Remains active over 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 elastomers, silicone foams and adhesives/sealants.

## TYPICAL PROPERTIES

Specification 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.

| CTM* ASTM*         | Property                          | Unit  | Value              |
|--------------------|-----------------------------------|-------|--------------------|
| <b>As supplied</b> |                                   |       |                    |
| 0176               | Color                             |       | Colorless liquid   |
| 0050 D1084B        | Viscosity at 23°C (73.4°F)        | mPa.s | 1                  |
| 0090A D56          | Flash point - closed cup          | °C    | 27                 |
|                    |                                   | °F    | 80.6               |
| D1298              | Specific gravity at 23°C (73.4°F) |       | 0.82               |
|                    | Non-volatile content              | %     | 5                  |
|                    | Solvent type                      |       | Volatile siloxanes |

\* CTM: Corporate Test Method, copies of CTMs are available on request.  
 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 elastomers 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 elastomer. For obtaining best results, the following steps should be followed on all surfaces except silicone rubber.

1. Thoroughly clean and degrease the surface using a scouring solvent and a slightly abrasive pad on a coarse lint-free cloth. Rinse all cleaning

agents off the surface with acetone, MEK or isopropanol. Allow the surface to dry.

2. Alternatively, aqueous degreasing with steam or hot water and appropriate additives can be used to effectively prepare surfaces. Rinse with demineralised water and allow to dry thoroughly. Ensure that no residues are left on the surface.

3. Apply a thin coat of DOW CORNING 1200 OS Primer by dipping, brushing or spraying. In most cases, a thin primer film will give best adhesion. Film thickness can be roughly estimated by appearance, the thicker the film the stronger the white tint. If cracks appear in the chalked film, the coat applied was too heavy. In this case, cleaning of the prime coat is recommended, followed by a second application of a thin coat.

4. At normal temperatures and humidity conditions (room temperature, 50% R.H.), the primer should be allowed to air dry from 15 to 90 minutes. Because the primer cures in contact to air moisture, 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.

5. Apply silicone elastomer from Dow Corning.

6. 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.