



## Technical Data Sheet

### DOWSIL™ 1200 OS Primer

#### Features & Benefits

- Improves adhesion of silicone sealants to many substrates
- Provides more uniform and stronger bonds
- Conforms to South Coast and Bay Air Quality Management District Regulations for architectural sealant primers
- Low VOC at 76 g/l
- Formulated for low toxicity
- OS solvent used does not deplete the ozone layer. OS = Ozone Safe
- Primer is suitable for weathersealing and structural glazing applications

#### Applications

- Primer for silicone adhesives and sealants

#### Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Color		Colorless
Viscosity at 23°C (73.4°F)	mPa.s	1
Flash point - closed cup	°C (°F)	27 (80.6)
VOC inclusive	g/l	76
Specific gravity at 23°C (73.4°F)		0.84

#### Description

DOWSIL™ 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.

The DOWSIL™ 1200 OS Primer is classified as Low-Solids Adhesive Primer according to the following regulations: Rule 1168 for Adhesives and Sealant Applications published on the South Coast Air Quality Management District and Rule 8-51 for Organic Compounds, Adhesive and Sealant Products published by the Bay Area Air Quality Management District. The VOC Inclusive value reported on the product label follows the definitions on these regulations. The VOC Exclusive value on the product label does not apply.

## How to Use

With many surfaces, substantially stronger and more uniform bonds are obtained by preparing them with a primer prior to the application of the silicone sealant. 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 2 rag wipe method and appropriate solvent, when needed. Cleaning procedures are defined in the Americas Technical Manual. Allow the surface to dry.
2. Apply a thin coat of DOWSIL™ 1200 OS Primer by applying with a clean white rag or brush. In most cases, a thin primer film will give best adhesion. If a white chalky residue is noticed after several minutes of drying time, wipe away the chalky residue with a clean rag.
3. 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.
4. Apply silicone sealant.

Note: Always use buffer container when applying with a brush. To avoid contamination and product deactivation, do not mix used materials into fresh or unused primer can.

## Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. 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 ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

## 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 Information

DOWSIL™ 1200 OS Primer is available in standard industrial container sizes.

## 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 has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, [dow.com](http://dow.com) or consult your local Dow representative.

## **Disposal Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

## **Product Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

## **Customer Notice**

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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