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.

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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 WWW.CONSUMER.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, www.consumer.dow.com or consult your local Dow representative.

LIMITED 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 our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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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.

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