Product Information
High Performance Building

DOW CORNING

Dow Corning® Primer-C OS

FEATURES & BENEFITS

- Improves adhesion of silicone sealants to many substrates
- Accelerates adhesion build of 2 part structural sealants
- Fluoresces under a 365 nm wavelength light so that a visual check can confirm presence of primer
- Conforms to South Coast and Bay Air Quality Management District Regulations for Architectural Sealant Primers
- Low VOC at 49 g/l as a low solids sealant primer
- User friendly with low VOC
- Improves quality control processes by offering a visual confirmation of primer presence
- Quick cure time
- Non staining
- Improves sealant adhesion to plastics

Primer for silicone adhesives and sealants offering a low VOC and unique fluorescing feature, allowing for a visual quality control check to ensure primer has been applied.

APPLICATIONS

- Accelerated adhesion of *Dow Corning*® 983 Structural Glazing Sealant to coated aluminum substrates such as polyvinylidene fluoride (PVDF) or Kynar® based paints
- For in shop or field use with *Dow Corning*® Construction Sealants, both 1 and 2 part.

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Property	Unit	Result
As Supplied		
Color		Colorless
Viscosity at 23°C (73.4°F)	mPa.s	<10
Flash point - closed cup	°C (°F)	-9 (15.8)
VOC inclusive	g/l	49
Specific gravity at 23°C (73.4°F)		0.9
As Applied		
Adhesion per ASTM* C-794, with *Dow Corning*® 983 Structural Glazing Sealant	pli	>20

*ASTM: American Society for Testing and Materials.

DESCRIPTION

Dow Corning® Primer-C OS is used to improve adhesion and accelerate adhesion build-up of silicone sealants to various substrates. This moisture curing primer is a film forming adhesion promoter.

The *Dow Corning* Primer-C OS is classified as Low-Solids Sealant 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.

BENEFITS

Dow Corning Primer-C OS has been shown to promote faster adhesion across different environmental conditions.

Dow Corning Primer-C OS contains a unique UV indicator which allows the primer to be visible under a 365 nm wavelength light, so that quality control procedures may be tailored to ensure presence of primer.

Other benefits can be determined in actual field installation and application tests.

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 Dow Corning Americas Technical Manual. Allow the surface to dry.

2. Apply a single coat of *Dow Corning* Primer-C OS to the substrate. *Dow Corning* Primer-C OS should be applied with a lint-free cloth to maximize primer coverage rate and obtain a consistent film thickness. While a brush may be used to apply *Dow Corning* Primer-C OS, the coverage rate will be lessened and it will be more difficult to obtain consistent film thickness.

   If applying in a sealant joint utilizing backer rod, apply the *Dow Corning* Primer-C OS before the installation of backer rod.

   The primer, when applied, may show as slightly white depending on the contrast to the substrate color.

3. To verify presence and continuity of primer, illuminate the primed surface using a flashlight with a wavelength of 365 nm. Please do not use a wavelength of less than 340 nm as it could be damaging to eyes. At minimum, the UV indicator will remain active for 24 hours, allowing for QC checks to be completed. Dow Corning recommends sealant applied within 24 hours after primer application.

4. Allow the primer to dry for 20 minutes at room temperature or 1 hour at 5°C (41°F) before applying and tooling the sealant. Because this primer is a moisture-cure product, additional time is required for reaction before sealant application in cold temperatures. Refer to Dow Corning's published sealant installation guidelines for further information.

5. Apply silicone sealant from Dow Corning.

6. 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 MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEB SITE AT DOW CORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

USABLE LIFE AND STORAGE

Containers should be kept tightly sealed when not in use. When stored at or below 32°C (90°F) in the original unopened containers, *Dow Corning* Primer C OS has a usable life of 18 months from the date of manufacture.

Dow Corning Primer C OS is highly flammable. Use caution when handling.

This material must be stored in a warehouse or cabinet 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

Dow Corning Primer-C OS is available 358 g cans and 3.41 kg pails. For details please refer to your Dow Corning sales office.

LIMITATIONS

Note: This primer will dissolve the expanded polystyrene (EPS) insulation board found within Exterior Insulation and Finish Systems (EIFS). Over-application of this product onto EIFS substrates could diminish the integrity of the substrate and void the EIFS Manufacturers Warranty.

Expired primer turns milky white.

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 Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our Web site, dowcorning.com or consult your local Dow Corning representative.

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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.

Dow Corning's sole warranty is that our products will meet the 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.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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