



DOWSIL™ Construction Primer P

Adhesion promoter for use on masonry surfaces

Features & Benefits

- Promotes adhesion of silicone sealants to masonry, stone, concrete and metal surfaces
- Convenient one-part formulation
- Film-forming primer resists adhesion degradation due to water immersion
- Resin will not discolor when exposed to sunlight

Composition

- Proprietary alkoxy silane resin formulation in solvent

Applications

- DOWSIL™ Construction Primer P is suitable for use on substrates such as natural stone, masonry and glass fiber-reinforced concrete. Also suitable for metal substrates, such as Kynar resin painted aluminum, when properly prepared.

Typical Properties

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

Test ¹	Property	Unit	Result
	As Supplied		
	Color		Clear liquid
ASTM D 1298	Specific Gravity		0.95
	Flash Point, Closed Cup	°C (°F)	8 (46)
	Sealant Application Time at 25°C (77°F)		
	Minimum ²	hours	0.5
	Maximum	hours	8
	VOC Content ³	g/L	748

1. ASTM: American Society for Testing and Materials.
2. See "Limitations."
3. Based on South Coast Air Quality Management District of California. Maximum VOC is listed both inclusive and exclusive of water and exempt compounds.

Description

DOWSIL™ Construction Primer P is a one-part proprietary resin system designed to promote adhesion of silicone sealants to masonry surfaces. It imparts maximum water resistance to the bond in areas where residual water may be present, such as horizontal applications.

How to Use

Preparation Work

Porous surfaces to be primed should be clean, dry and free from contaminants. Use an abrasive cleaning method and then blow with compressed air to remove dust. (Air compressors used for this purpose must be equipped with traps capable of providing moisture- and oil-free air.)

Nonporous surfaces should be solvent cleaned with a two-rag wipe as described in the current Americas Technical Manual.

Application

Apply a thin, uniform layer by brush to the surfaces to be primed, avoiding contact with areas that will not be sealed. Allow the primer to air dry for a minimum of 30 minutes before installation of backer rod and sealant application (primer should be dry to the touch). Sealant should be applied within 8 hours of primer application.

Equipment Cleanup

Brushes should be soaked in DOWSIL™ OS-2 Silicone Cleaner and Solvent or another suitable solvent immediately after use.¹

¹Follow solvent manufacturer's recommended safe handling procedures and applicable federal, state and local regulations.

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 in original, unopened containers, DOWSIL™ Construction Primer P has a shelf life of 18 months from date of manufacture. Refer to product packaging for "Use By" date.

DOWSIL™ Construction Primer P should be stored between 5 and 25°C (41 and 77°F) in a well-ventilated area out of direct sunlight. Containers should be kept tightly sealed when not in use.

Packaging Information

DOWSIL™ Construction Primer P is supplied in cans, ready to use.

Limitations

DOWSIL™ Construction Primer P will inhibit the cure of the following DOWSIL™ construction sealants due to the presence of alcohol in the primer. Do not use DOWSIL™ Construction Primer P with the sealants noted below unless the application procedure and dry time demonstrate a fully curable sealant/ primer combination.

- DOWSIL™ 790 Silicone Building Sealant
- DOWSIL™ 888 Silicone Joint Sealant
- DOWSIL™ 890-SL Silicone Joint Sealant
- DOWSIL™ NS Parking Structure Sealant
- DOWSIL™ SL Parking Structure Sealant
- DOWSIL™ Contractors Concrete Sealant

Limitations (Cont.)

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 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.

dow.com

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