

Silicone Sealants

Dow Corning® Contractors Weatherproofing Sealant

FEATURES

- Primerless on most common porous and nonporous building substrates
- Balanced adhesive strength, medium modulus and high recovery
- Easily gunnable in all weather conditions

COMPOSITION

- High-performance, medium-modulus, one-part, silicone sealant.

Medium-modulus silicone joint sealant

APPLICATIONS

Dow Corning® Contractors Weatherproofing Sealant is specifically developed for sealing dynamically moving joints such as: expansion and control joints, concrete panel joints, tilt-up panel joints, curtainwall joints, perimeter caulking (windows, doors, panels, EIFS, radon mitigation, bedding of mullions, panels and frames, etc.).

TYPICAL PROPERTIES

Specification Writers: Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Method	Test	Unit	Result
ASTM C 794	Adhesion in Peel	lb/in (N/m)	20 to 28 (109 to 152)
ASTM D 412	Tensile Strength	psi (MPa)	180 (1.24)
ASTM D 412	Ultimate Elongation	percent	550
ASTM C 639	Weep and Sag		Passes
ASTM C 510	Staining		Passes
ASTM C 792	Weight Loss, Cracking and Chalking after Heat Aging		Passes
ASTM C 661	Hardness at Standard Conditions, Shore A	points	25 ±5
ASTM C 719	Durability (Bond and Cohesion)		Passes ±25%
	Service Temperature, cured bead	°F (°C)	-40 to 250 (-40 to 121)
	Application Temperature, substrate	°F (°C)	-20 to 120 (-29 to 49)

DESCRIPTION

Dow Corning Contractors Weatherproofing Sealant is primerless on most common porous and nonporous building substrates, including concrete, masonry, precast, EIFS, aluminum and painted aluminum. This unique weather-resistant formulation possesses a balanced adhesive strength, medium modulus and high recovery, making it ideal to withstand adverse conditions common installations including moisture, movement, shear and deflection. It is easily gunnable in all weather conditions from -20 to 120°F (-29 to 49°C). Because it requires no mixing and a smaller joint ratio, it is an economical, high-performance alternative to other sealant options with a ±25 percent movement capability.

Dow Corning Contractors Weatherproofing Sealant is available in 11 standard stocked colors and 18 made-to-order special colors.

APPLICABLE STANDARDS

- TT-S-01543A
- TT-S-00230C, Type II, Class A ±25% movement capability
- ASTM C 920, Type S, Grade NS, Class 25, Use NT, M, A and O (granite)

HOW TO USE

Joint Design

While most urethanes suggest a depth of 1/2" to 5/8" (13 to 16 mm) in wide joints, the superior weathering of this silicone allows a 3/8" (9 mm) depth in wide joints. *Dow Corning* Contractors

Weatherproofing Sealant can be used in the following joint configuration:

- A. Minimum width of joint should be four times the anticipated movement, but not less than 1/4" (6 mm) wide.
- B. Joint depth to be 1/4" (6 mm) for joints 1/4" to 1/2" (6 to 13 mm) in width.
- C. Maximum joint depth not to exceed 3/8" (9 mm).
- D. Maximum joint size approximately 1-1/4" (32 mm) width x 3/8" (9 mm) depth in a single application.
- E. Consult your local Dow Corning representative for specific design requirements.

Surface Preparation

The joint interface must be clean, dry and free from oils, loose mortar, laitance, form release agents, water-proofings, dampproofings and other contaminants. A thorough wire brushing, grinding, sandblasting or solvent cleaning may be required to expose clean, sound, virgin surface.

Priming

Dow Corning Contractors Weatherproofing Sealant is primerless on most common porous and nonporous building substrates, including concrete, masonry, precast, EIFS, aluminum and painted aluminum. It is the user's responsibility to check the adhesion of the cured sealant on typical test joints at the project site before and during application.

Cure Rate at 77°F and 50% RH:

- A. Initial skinning: 3-6 hours
- B. Through cure (3/8" [9 mm] depth): 7-14 days

Application

Install backer material or joint filler, setting blocks, spacer shims and tapes as specified. Apply sealant in a continuous operation, using a positive pressure adequate to properly fill and seal the joint.

Tooling

Tooling should be completed in one continuous stroke immediately after sealant application and before a skin forms. Tool or strike the sealant with light pressure to spread the material against the backer material and the joint surfaces. A tool with a concave profile is recommended to keep the sealant within the joint. Do not use liquid tooling aids such as water, soap or solvents.

Tool the sealant applied at sills so that precipitation and cleaning solutions will not pool.

Masking

Areas adjacent to joints should be masked to ensure neat sealant lines and to avoid contact with polished granites, metal or glass. Do not allow masking tape to touch clean surfaces on which the sealant is to adhere. Masking should be removed immediately after tooling.

Cleaning

Immediately remove all excess sealant and smears adjacent to the joint with Xylol or Toluol as work progresses.¹

Painting

Dow Corning Contractors Weatherproofing Sealant can be covered immediately after cure with many common paints and coatings. Before applying a paint or coating to the sealant, check for compatibility and adhesion. Follow the paint manufacturer's instructions for adhesion, compatibility and elasticity.

Maintenance

Generally, no maintenance is required. If the sealant becomes damaged, replace the damaged portion.

Dow Corning Contractors Weatherproofing Sealant will adhere to most cured silicone sealant with only a preparatory solvent wipe to remove accumulated dirt. Dirty sealant may be cleaned with a solvent wipe or soap and water.

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 FROM YOUR DOW CORNING REPRESENTATIVE, OR DISTRIBUTOR, OR BY CALLING YOUR GLOBAL DOW CORNING CONNECTION.

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

USABLE LIFE AND STORAGE

Dow Corning Contractors Weatherproofing Sealant has a shelf life of 12 months from date of manufacture. Refer to product packaging for "Use By" date.

PACKAGING

Dow Corning Contractors Weatherproofing Sealant is available in 10.3-oz (292-g) cartridges (12 per case), 20-oz (567-g) sausage packs (16 per case) and 2-gallon (7.57-L) pails. Master packs are also available.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Dow Corning Contractors Weatherproofing Sealant is not recommended for:

- Silicone structural glazing
- Application in confined areas without proper ventilation
- Joints under constant water submersion

SHIPPING LIMITATIONS

None.

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 website, www.dowcorning.com, or consult your local Dow Corning representative.

AVAILABILITY

Dow Corning Contractors Weatherproofing Sealant is available from a local Dow Corning distributor. Call 1-800-248-2481 or (989) 496-6000 for the name of the distributor nearest you.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

We warrant our products to be free of defects. Under this warranty, for a period of 5 years from date of purchase, we will provide, at no charge, product to replace any product

proven to be defective when applied, tested and cured (if applicable), in accordance with our written instructions, standards and applications recommended by us as suitable for this product.

User shall determine suitability of the product for the intended use and assumes all risk and liability therewith. Seller shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of the product.

All claims concerning product defects must be made within twelve months of shipment. Absence of such claims in writing, during this period, will constitute a waiver of all claims with respect to such product.

THIS WARRANTY IS THE USER'S SOLE REMEDY AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

