

**Silicone  
Sealants**

**Dow Corning® Contractors  
Weatherproofing Sealant**

**FEATURES**

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

**COMPOSITION**

- High-performance, medium-modulus, one-part, neutral-cure silicone sealant

**Medium-modulus silicone joint sealant**

**APPLICATIONS**

- 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
<b>As Supplied</b>			
	Colors		White, antique white, precast white, gray, charcoal, black, sandstone, limestone, bronze, window bronze and aluminum
	Application Temperature, substrate	°C (°F)	-29 to 49 (-20 to 120)
	Tack-Free Time, 50% RH	hours	3-6
	Curing Time, 3/8" (9 mm) depth, 50% RH at 25°C (77°F)	days	7-14
ASTM C 639	Weep and Sag		Passes
	VOC Content	g/L	35
<b>As Cured</b>			
ASTM C 661	Durometer Hardness, Shore A	points	25 ±5
ASTM D 412	Ultimate Tensile Strength	psi (MPa)	180 (1.24)
ASTM D 412	Ultimate Elongation	percent	550
ASTM C 794	Peel Strength	lb/in (N/m)	20 to 28 (109 to 152)
ASTM C 719	Joint Movement Capabilities, extension/compression	percent	±25
ASTM C 510	Staining		Passes
ASTM C 792	Weight Loss, Cracking and Chalking after Heat Aging		Passes
	Service Temperature, cured bead	°C (°F)	-40 to 121 (-40 to 250)

**DESCRIPTION**

*Dow Corning® Contractors Weatherproofing Sealant* is primerless on most common nonporous building substrates. This unique weather-resistant formulation possesses a balanced adhesive strength, medium modulus and high recovery, making it ideal to withstand adverse conditions in common installations including moisture, movement, sheer and deflection. It is easily gunnable in all

weather conditions from -29 to 49°C (-20 to 120°F). 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 (white, antique white, precast white, gray, charcoal, black, sandstone, limestone, bronze,



window bronze and aluminum) and 18 made-to-order special colors.

## APPROVALS/ SPECIFICATIONS

*Dow Corning Contractors Weatherproofing Sealant* meets or exceeds the requirements of:

- 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

Refer to the *Dow Corning Americas Technical Manual*, Form No. 62-1112, for detailed information on joint design, preparatory work, priming, masking and application techniques.

## 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:

- Minimum width of joint should be four times the anticipated movement, but not less than 1/4" (6 mm) wide.
- Joint depth to be 1/4" (6 mm) for joints 1/4" to 1/2" (6 to 13 mm) in width.
- Maximum joint depth not to exceed 3/8" (9 mm).
- Maximum joint size approximately 1-1/4" (32 mm) width x 3/8" (9 mm) depth in a single application.
- 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

Primer should be applied before installing the backer rod. Applying a bead of silicone sealant to the substrate material to test adhesion prior to general use is always recommended.

*Dow Corning Contractors Weatherproofing Sealant* is primerless on most common nonporous building substrates. Consult Dow Corning for priming recommendations on other materials.

In all cases, a sample should be tested and/or test joints should be installed on the project.

## 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.

## 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.

## Cleaning

Immediately remove all excess sealant and smears adjacent to the joint with xylol or toluol as work progresses.<sup>1</sup>

## Typical Cure

Cure rate at 25°C (77°F) and 50% RH:  
A. Tack-free time: 3-6 hours  
B. Through cure (3/8" [9 mm] depth): 7-14 days

## 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 ON THE DOW CORNING WEBSITE AT WWW.DOWCORNING.COM, OR FROM YOUR DOW CORNING REPRESENTATIVE, OR DISTRIBUTOR, OR BY CALLING YOUR GLOBAL DOW CORNING CONNECTION.

## 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.

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

## **PACKAGING**

*Dow Corning Contractors Weatherproofing Sealant* is available in 10.3-fl oz (305-mL) cartridges (12 per case), 20-fl oz (591-mL) sausage packs (16 per case) and 2-gal. (7.5-L) pails.

## **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](http://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**

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 Dow Corning's 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 the product will meet the Dow Corning 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.**

A 5-year Weatherseal Limited Warranty is available. Some testing may be required. Consult your Dow Corning Technical Service representative for details.

