

# Product Information

## Silicone Sealants

DOW CORNING

# Dow Corning® 756 SMS Building Sealant

## FEATURES

- Cures to form a unique, dry matte finish surface
- Improved aesthetic performance reduces long-term residue rundown on metal panels and reflective glass or staining on porous substrates
- Good working and tooling time
- All-temperature gunnability from -29 to 50°C (-20 to 122°F), permitting application in all seasons
- Medium modulus, high movement capability – can accommodate ±50 percent movement in a properly designed joint
- Unprimed adhesion to most glass, brick, granite and fluoropolymer-painted substrates; primed adhesion to other common construction substrates, such as marble, limestone and concrete
- Excellent weatherability non-reverting silicone durability
- Compatible with open-cell polyurethane, closed-cell polyethylene and nongassing polyolefin backer rods

## COMPOSITION

- One-part, pre-pigmented, neutral-cure sealant

Medium-modulus elastomeric sealant designed for weather-proofing sensitive porous stone and metal panel substrates to reduce residue rundown and substrate staining

## APPLICATIONS

- *Dow Corning*® 756 SMS Building Sealant is particularly effective for sealing expansion and control joints, metal panel joints, curtainwall joints, joints between natural stone, and perimeter seals around window frames. It forms a durable, flexible, watertight bond with most building materials. *Dow Corning* 756 SMS Building Sealant is intended to be applied in new and remedial construction.

## 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.

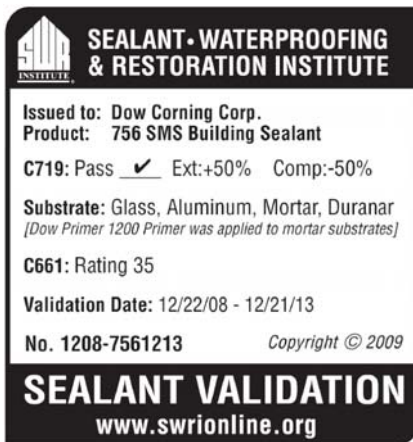
Method	Test	Unit	Result
<b>As Supplied</b>			
	Color		Adobe tan, white, precast white, limestone, gray, bronze, black, custom colors
ASTM C 679	Tack-Free Time, 50% RH	hours	2
	Curing Time, 50% RH at 25°C (77°F)	days	7-14
ASTM C 639	Flow, Sag or Slump	Inches (mm)	0.1 (2.54)
	Working Time	minutes	30
	VOC Content <sup>1</sup> , inclusive/exclusive	g/L	86/87
<b>As Cured – After 21 days at 25°C (77°F)</b>			
ASTM D 2240	Durometer Hardness, Shore A	points	35
ASTM D 412	Ultimate Tensile Strength	psi (MPa)	200 (1.4)
ASTM D 412	Ultimate Elongation	percent	1200
ASTM C 1135	Tensile Adhesion, ultimate	psi (MPa)	80 (0.6)
ASTM C 794	Peel Strength, unprimed to glass, fluoropolymer coatings and brick	ppi (kN/m)	>25 (4.38)
ASTM C 1248	Staining/Migration, white marble		None
ASTM C 719	Joint Movement Capability, glass, other	percent	±50

<sup>1</sup>Based on South Coast Air Quality Management District of California. Maximum VOC is listed both inclusive and exclusive of water and exempt compounds. For a VOC data sheet for a specific sealant color, please send your request to [product.inquiry@dowcorning.com](mailto:product.inquiry@dowcorning.com).

## DESCRIPTION

*Dow Corning 756 SMS Building Sealant* is a medium-modulus elastomeric sealant specifically designed for weatherproofing sensitive porous stone and metal panel substrates to reduce residue rundown and substrate staining.

*Dow Corning 756 SMS Building Sealant* cures to a flexible elastomer on exposure to atmospheric moisture, producing a durable, weather-resistant seal with the ability to form strong bonds with most building materials. Because of its medium modulus and good adhesion, it provides excellent weatherproofing performance in dynamically moving building joints.



*Dow Corning 756 SMS Building Sealant* meets the following standards:

- ASTM Specification C 920, Type S, Grade NS, Class 50, Use NT, G, M, A and O
- ASTM Specification C 719  $\pm 50\%$  movement

## HOW TO USE

### Preparatory Work

The application surface must be clean, dry, sound and frost-free. Mask adjacent surfaces and apply primer as required (refer to Americas Technical Manual, Form No. 62-1112), before installing an approved back-up material.

## Application

Apply *Dow Corning 756 SMS Building Sealant* and tool so all joint sides are wetted out. (Wet tooling of the sealant with liquid tooling aids is not recommended.) In cases where excess uncured sealant is inadvertently applied to adjacent surfaces, the sealant should be cleaned from surfaces before curing, using mineral spirits (follow solvent manufacturer's safe handling recommendations and local, state and federal regulations regarding solvent usage).

Remove masking immediately after sealant application. Under low temperature and low humidity conditions, cure may be considerably longer.

## Joint Design

Please consult the *Dow Corning Americas Technical Manual, Form No. 62-1112*, for detailed information on state-of-the-art application methods and joint design. Please contact your local *Dow Corning Sales Application Engineer* for specific advice. A thin sealant bead will accommodate more movement than a thick bead. Recommended width-to-depth ratio is 2:1 where possible. In all cases, movement of the joint should not exceed  $\pm 50$  percent of the original joint dimension.

## Maintenance

If sealant becomes damaged cut out and replace the damaged portion with *Dow Corning 756 SMS Building Sealant*.

## 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 DOWCORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

## USABLE LIFE AND STORAGE

When stored below 27°C (80°F), *Dow Corning 756 SMS Building Sealant* has a shelf life of 12 months from date of manufacture. Refer to product packaging for "Use By" date

## PACKAGING INFORMATION

Prepigmented *Dow Corning 756 SMS Building Sealant* is supplied in 20-oz (567-g) sausages and 2-gallon (7.6-liter) pails.

## LIMITATIONS

This product is not intended for use:

- In structural glazing applications or where the sealant is intended as an adhesive
- In areas where abrasion and physical abuse are encountered
- In spaces totally confined from atmospheric moisture during cure
- On frost-laden or damp surfaces
- For prolonged submersion in water
- On surfaces that might bleed oils, plasticizers or solvents – materials such as impregnated wood, oil-based caulks, green or partially vulcanized rubber gaskets, tapes, bitumen-impregnated boards, felts or sheets
- In below-grade applications
- On sandstone or porous stone substrates with high levels of iron contamination
- On substrates made of polypropylene, polyethylene, polyacrylate and polytetrafluoroethylene (Teflon®)
- Where movement capability greater than  $\pm 50$  percent is required.

Some limestones and other porous stone substrates contain iron and other impurities that can interact with *Dow Corning 756 SMS Building Sealant* causing discoloration of the sealant and/or substrate. Prior to use, *Dow Corning 756 SMS Building Sealant* should be tested for compatibility with these substrates using water immersion.

*Dow Corning 756 SMS Building Sealant* will not improve pre-existing staining or residue rundown conditions. Surface appearance of any sealant will depend upon environmental conditions.

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 website, [dowcorning.com](http://dowcorning.com) or consult your local Dow Corning representative.

## **AVAILABILITY**

*Dow Corning 756 SMS Building Sealant* is available through Dow Corning construction distributors nationwide.

## **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.**

*We help you invent the future.*™

**[dowcorning.com](http://dowcorning.com)**