

**Silicone  
Sealants**

**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 and fluoropolymer-painted substrates; primed adhesion to other common construction substrates, such as marble, limestone, granite and concrete
- Excellent weatherability – non-reverting silicone durability
- Compatible with open-cell polyurethane, closed-cell polyethylene and nongassing polyolefin backer rods
- Paintable – may be painted with oil-based paints after full cure and up to six months after installation

**COMPOSITION**

- One-part, pre-pigmented material

**Medium-modulus elastomeric sealant designed for weather-proofing sensitive porous stone and metal panel substrates**

**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: 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, 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
<b>As Cured – After 21 days at 25°C (77°F)</b>			
ASTM D 2240	Durometer Hardness, Shore A	points	30
ASTM D 412	Ultimate Tensile Strength	psi (MPa)	200 (1.4)
ASTM D 412	Ultimate Elongation	percent	1200
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

**Table I: Typical Surface Preparation and Priming Recommendations**

<i>Substrate</i>	<i>Surface Preparation</i> <sup>1</sup>	<i>Recommended Primer</i>
Brick	Abrade	None
Concrete and Masonry	Abrade	1200 <sup>2</sup>
Limestone	Abrade/Solvent Wipe	1200
Marble	Abrade/Solvent Wipe	1200
Granite	Abrade/Solvent Wipe	1200
Aluminum (Anodized)	Solvent Wipe	None
Aluminum (Mill Finish)	Solvent Wipe	1200
Glass	Solvent Wipe	None
Fluoropolymer Painted Surfaces	Solvent Wipe	None
Fiber Reinforced Cement	Solvent Wipe	1200

<sup>1</sup>Abrade – Mechanical surface preparation such as wire brush and sand blast. Should always be followed by residual dust removal. Please note Dow Corning's recommendations for removal of existing sealants, substrate cleaning, joint preparation and installation of *Dow Corning*<sup>®</sup> brand sealants are not intended and may not be appropriate for remedial work involving existing sealants and/or joints containing PCBs or other potentially hazardous substances. If you know or suspect that the existing sealants and/or joints contain PCBs or other hazardous substances, contact a knowledgeable authority on appropriate removal, handling and disposal procedures.

Solvent Wipe – Using the two-cloth cleaning method, wipe the surface with a clean, oil-free cloth, wet with industrial solvent such as xylene, toluene, isopropyl alcohol (IPA) or ketones (MEK or MIBK). Immediately wipe with a separate clean, oil-free cloth before the solvent evaporates. Test small sample to ensure solvent does not affect finish. Follow solvent manufacturer's safe handling recommendations and local, state and federal regulations regarding solvent usage.

<sup>2</sup>1200 – *Dow Corning*<sup>®</sup> 1200 Prime Coat.

**Consult your Dow Corning Technical Service representative or contact Dow Corning Customer Service at 1-800-322-8723 or (989) 496-6000 for additional information.**

## DESCRIPTION

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

*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, A and O
- ASTM Specification C 719 ±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 (see Table I), 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

A thin sealant bead will accommodate more movement than a thick bead. Recommended width-to-depth ratio is 2:1 where possible. Joint depth over backer rod should be  $\frac{1}{8}$  to  $\frac{1}{2}$ " (3 to 13 mm) and joint width from  $\frac{1}{4}$  to 1" (6 to 25 mm). Dow Corning Technical Service should be consulted for joint applications outside published guidelines. In all cases, movement of the joint should not exceed ±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 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

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

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 substrates made of polypropylene, polyethylene, polyacrylate and polytetrafluoroethylene (*Teflon*<sup>®1</sup>)
- Where movement capability greater than ±50 percent is required

*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, [www.dowcorning.com](http://www.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 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.

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<sup>1</sup>*Teflon* is a registered trademark of E.I. du Pont de Nemours & Co.

