

Silicone Construction Sealant Solutions from Dow Corning



For more than 60 years, Dow Corning Corporation has provided the construction industry with the finest silicone construction products available, including adhesives, sealants and coatings for structural glazing and weatherproofing. Our name means quality, and our technical expertise and service have become the industry standard.

We built our long history of achievement and reputation for excellence on four pillars that contribute to your success:

- Service and Support
- Reliable Supply
- A Trusted Brand Name
- Superior Warranties

What Does Dow Corning Give You?

Flexibility

Our silicone structural glazing products attach glass, ceramic, metal, stone and composite panels to building frames, allowing you to create unique and beautiful structures while providing outstanding movement capability and excellent durability.

Protection

Our silicone weathersealing products provide excellent, unprimed adhesion to many common building substrates, creating a strong, durable envelope that will protect your buildings from the elements for years to come.

Confidence


Dow Corning provides up to 20 years of outstanding protection with limited weatherproofing, structural glazing and non-staining warranties.

Sealant Features & Benefits

- Virtually unaffected by weather or temperature extremes
- Stay flexible and maintain adhesion, even when stretched or compressed
- Resist cracks, splits or tears
- Apply easily over a wide temperature range
- Protect buildings typically three times longer than organic materials in the same applications
- Perform with successful track records in diverse applications
- Provide outstanding life-cycle value

No wonder our products and services are among the most respected in the industry.

Typical Characteristics of Silicone Construction Materials from Dow Corning

Product	Description	Neutral-Cure System	Ultimate Tensile (psi) ASTM C1135	Durometer Shore A, Points	Ultimate Tensile (psi) ASTM D412	Joint Movement, %	1-Part or 2-Part Cure	Tooling Time, min.	All-Temperature Gunnability ¹
Dow Corning® 756 SMS Building Sealant Weatherproofing	Non-stain weatherproofing sealant for use on sensitive substrates.	Yes		35		±50	1-Part	30	Yes
Dow Corning® FC Parking Structure Sealant Weatherproofing	Two-part, fast-curing, self-leveling sealant that cures to an ultra-low-modulus silicone rubber for use in horizontal joints.	Yes		60 Shore 00		Extension: +100 Compression: -50	2-Part	N/A	Yes
Dow Corning® SL Parking Structure Sealant Weatherproofing	One-part, self-leveling sealant that cures to an ultra-low-modulus silicone rubber for use in horizontal joints.	Yes		50 Shore 00		Extension: +100 Compression: -50	1-Part	N/A	Yes
Dow Corning® NS Parking Structure Sealant Weatherproofing	One-part, non-sagging sealant that cures to a low-modulus silicone rubber for use in vertical and horizontal joints.	Yes		15		Extension: +100 Compression: -50	1-Part	10-20	Yes
Dow Corning® 123 Silicone Seal Weatherproofing	Preformed, ultra-low-modulus silicone extrusion; can be bonded to a wide variety of substrates; withstands +200/-75% joint movement.	N/A		25		Extension: +200 Compression: -75	N/A	N/A	N/A
Dow Corning® 758 Silicone Weather Barrier Sealant Waterproofing	One-part, neutral-cure silicone sealant; designed for adhering to common sheet or peel-and-stick weather-resistant barriers.	Yes		45		±25	1-Part	15	Yes
Dow Corning® 790 Silicone Building Sealant Weatherproofing	One-part formulation cures to a durable, flexible and ultra-low-modulus silicone rubber joint seal; offers outstanding unprimed adhesion to masonry.	Yes		15		Extension: +100 Compression: -50	1-Part	10-20	Yes
Dow Corning® 791 Silicone Weatherproofing Sealant Weatherproofing	One-part, medium-modulus sealant offers unprimed adhesion to most window frame materials and outstanding tear strength.	Yes		30		±50	1-Part	15	Yes
Dow Corning® 795 Silicone Building Sealant Structural Glazing, Glazing, Weatherproofing	One-part formulation cures to a durable, flexible seal that can accommodate ±50% movement in properly designed expansion and control joints for both new construction and remedial applications.	Yes	80	35	170	±50	1-Part	20-30	Yes
Dow Corning® 983 Structural Glazing Sealant Structural Glazing, Glazing	Two-part formulation cures to a high-modulus elastomeric adhesive/sealant. Tested in impact glazing systems for use in hurricane- and blast-resistant installations.	Yes	160	40	300	±25	2-Part	12-25	Apply >50°F
Dow Corning® 995 Silicone Structural Sealant Structural Glazing, Glazing	One-component, shelf-stable, neutral-cure; formulated for silicone structural glazing; also used for impact-resistant protective glazing in high-performance window film applications.	Yes	170	40	350	±50	1-Part	10-20	Yes
Dow Corning® 999-A Silicone Building & Glazing Sealant  Glazing	Easily applied, one-part formulation that cures to produce a durable, flexible wet glazing and curtainwall seal.	No		25		±25	1-Part	5-10	Yes

Specification Writers: Please contact Dow Corning Corporation, Midland, MI, before writing specifications on these products.

¹ -20 to 122°F.

² For a VOC data sheet for a specific sealant color, please send your request to product.inquiry@dowcorning.com.

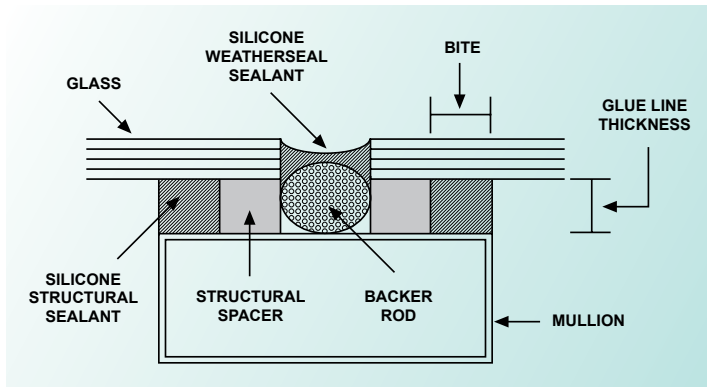
³ All substrates and sealant combinations must be field tested to confirm general recommendations from this table.

N/A = Not Applicable.

While all products listed are Dow Corning® brand, the product marked with a "▲" is sold via the XIAMETER® Web-enabled business model from Dow Corning, which offers high-quality, reliable standard silicone products online, at market-based prices. Visit www.xiameter.com to order this product or to learn more.

Primer Required ³															Specifications & Standards
VOC Content ² , g/L	Fluoropolymer Paint	Silicone Polyester Paint	Anodized Aluminum	Alodine-Treated Aluminum	Granite	Limestone	Concrete	Warranty	Chalking & Cracking	UV Light Resistance	Colors Available	Custom Colors	Packaging		
86	No	No	No	No	No	Yes: 12000S/ Primer P	Yes: Primer P	20 Years	No	Excellent	7	Yes	Sausages Pails	<ul style="list-style-type: none"> • SWRI Validation • ASTM C 920, Type S, Grade NS, Class 50, Use NT, G, M, A, O • ASTM C 719, ±50% 	
30	N/A	N/A	Yes	Yes	N/A	N/A	No	5 Years	No	Excellent	Gray	No	Sausages	<ul style="list-style-type: none"> • ASTM C 719, +100/-50% 	
30	N/A	N/A	N/A	N/A	N/A	N/A	No	5 Years	No	Excellent	Dark Gray	No	Cartridges Pails	<ul style="list-style-type: none"> • ASTM C 719, +100/-50% 	
37	Yes: 12000S	Yes: 12000S	Yes: 12000S	Yes: 12000S	No	12000S	No	5 Years	No	Excellent	Gray	No	Cartridges Pails	<ul style="list-style-type: none"> • ASTM C 920, Type S, Grade NS, Class 100/50, Use T • ASTM C 719, +100/-50% 	
N/A	791 No 795 Yes: 12000S	791 or 795	791 or 795	791 or 795	791 or 795	791 or 795	791 or 795	10 Years	No	Excellent	11	Yes	100-Foot Rolls	<ul style="list-style-type: none"> • Modified ASTM C 719, +200/-75% • Designed for new construction and renovation 	
42	No	No	No	No	Primer P	Primer P	Primer P	N/A	No	Excellent	White	Yes	Sausages	<ul style="list-style-type: none"> • ASTM C719 ±25% • ASTM C920, Type S, Grade NS, Class 25, Use G, A, O 	
43	Yes: 12000S	Yes: 12000S	Yes: Test/ 12000S	Yes: 12000S	No	12000S	No	20 Years	No	Excellent	13	Yes	Cartridges Sausages Pails	<ul style="list-style-type: none"> • SWRI Validation • ASTM C 920, Type S, Grade NS, Class 100/50, Use T, NT, M, G, A, O • ASTM C 719, +100/-50% 	
46	No	No	No	No	No	Yes: 12000S/ Primer P	Yes: Primer P	20 Years	No	Excellent	7	Yes	Cartridges Sausages	<ul style="list-style-type: none"> • SWRI Validation • ASTM C 920, Type S, Grade NS, Class 50, Use NT, M, G, A 	
28	Yes: 12000S	No	No	No	No	Yes: 12000S/ Primer P	Yes: Primer P	20 Years	No	Excellent	15	Yes	Cartridges Sausages Pails	<ul style="list-style-type: none"> • SWRI Validation • ASTM C 1184, Specification for Structural Silicone Sealants • ASTM C 920, Type S, Grade NS, Class 50, Use NT, G, A, O 	
18	Yes: 12000S/ Primer C	No	No	No	N/A	N/A	N/A	20 Years	No	Excellent	Gray Black	No	Pails Drums	<ul style="list-style-type: none"> • ASTM C 1184, Specification for Structural Silicone Sealants • ASTM C 920, Type M, Grade NS, Class 25 	
30	No	No	No	No	No	N/A	N/A	20 Years	No	Excellent	Black Gray White	No	Cartridges Pails Drums	<ul style="list-style-type: none"> • SWRI Validation • ASTM C 1184, Specification for Structural Silicone Sealants • ASTM C 920, Type S, Grade NS, Class 50, Use NT, G, A • ASTM C 719, ±50% 	
40	Yes	No	Yes: 12000S	Yes: 12000S	N/A	N/A	N/A	10 Years	No	Excellent	Clear & 5 colors	Yes	Cartridges Pails	<ul style="list-style-type: none"> • FDA Regulation 21 CFR 177.2600 subject to end use compliance • ASTM C 920 • USDA authorized for use in federally inspected meat and poultry plants, classified as USDA-P1 	

791 = Dow Corning® 791 Silicone Weatherproofing Sealant
 795 = Dow Corning® 795 Silicone Building Sealant
 12000S = Dow Corning® 1200 OS Primer
 Primer C = Dow Corning® Primer C Construction Sealant Primer
 Primer P = Dow Corning® Construction Primer P



Visit dowcorning.com/construction for detailed technical manuals, specifications and installation guides. Or call the Dow Corning Technical Information Center at +1 800 248 2481.

The Value Behind the Name

Throughout the construction process, Dow Corning will assist you in providing the right products, solutions and services.

Design: Dow Corning® brand products and services will help you use innovative materials and technologies that can assist in enhancing your project's aesthetic appeal, performance and longevity.

Specify: Dow Corning provides technical data and resources, including comprehensive testing and support services, that give you the confidence to assure your customers that they are getting the best products and support available.

Build: Dow Corning is more than just a materials supplier. Our staff of experts is there throughout the construction process to answer questions, help resolve issues and provide technical support. As long as you are on the job, we are on the job.

NOTE:

Any review, recommendation or statement made on behalf of Dow Corning relating to any engineering design, architectural drawing, product formulation, end-use specification or similar document is limited to the knowledge of the product properties as determined by laboratory testing of material produced by Dow Corning. Any comments or suggestions relating to any subject other than such product properties are offered only to call the attention of the engineer, architect, formulator, end-user or other person to considerations that may be relevant in an independent evaluation and determination of the appropriateness of such design, drawing, specification, document or formula.

How To Contact Us

Dow Corning has sales offices and manufacturing sites, as well as science and technology laboratories, around the globe. Telephone numbers of locations near you are available at dowcorning.com/ContactUs or by calling one of our primary locations listed below.

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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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