

# Silicone Construction Sealant Solutions from Dow Corning



**F**or over 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.

## Product 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

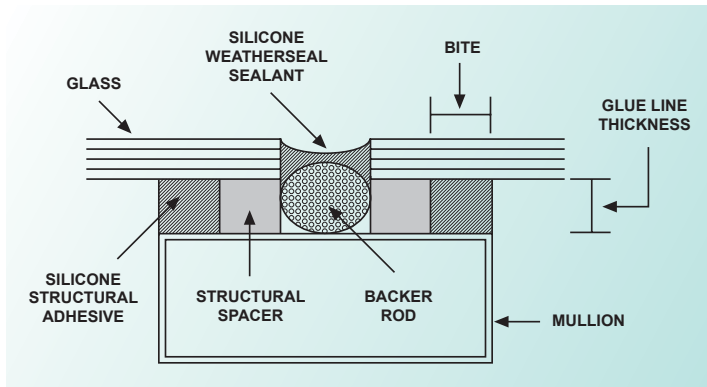
Dow Corning® Product	Sealant Type Recommended Application	Description	Neutral-Cure System	Tensile Adhesion Strength, psi <sup>1</sup>	Durometer Shore A, Points	Modulus at 25% Ext., psi	Joint Movement, %	1-Part or 2-Part Cure	Tooling Time, min.	All-Temperature Gunnability <sup>2</sup>
756 SMS	Building Sealant Weatherproofing	Non-stain, non-bleed, non-streaking weatherproofing sealant for use where aesthetic considerations are critical.	Yes	80	35	N/A	±50	1-Part	30	Yes
FC	Parking Structure Sealant Weatherproofing	Two-part, fast-curing, self-leveling sealant that cures to an ultra-low modulus silicone rubber for use in parking structure joints that experience severe thermal and/or vertical movement.	Yes	N/A	60 Shore 00	8	Extension: +100 Compression: -50	2-Part	N/A	Yes
SL	Parking Structure Sealant Weatherproofing	One-part, self-leveling sealant that cures to an ultra-low modulus silicone rubber for use in parking structure joints that experience severe thermal and/or vertical movement.	Yes	N/A	50 Shore 00	7	Extension: +100 Compression: -50	1-Part	N/A	Yes
NS	Parking Structure Sealant Weatherproofing	One-part, non-sagging sealant that cures to a low-modulus silicone rubber for use in parking structure joints that experience severe thermal and/or vertical movement.	Yes	N/A	15	15	Extension: +100 Compression: -50	1-Part	10-20	Yes
123	Silicone Seal Weatherproofing	Preformed, ultra-low modulus silicone extrusion; can be bonded to a wide variety of substrates; withstands +200/-75 percent joint movement.	N/A	N/A	25	3	Extension: +200 Compression: -75	N/A	N/A	N/A
AllGuard	Silicone Elastomeric Coating Waterproofing	One-part, field pigmented, water-based silicone elastomer for waterproofing exterior above-grade substrates.	Yes	N/A	38	N/A	N/A	1-Part	N/A	Apply >40°F
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	N/A	15	15	Extension: +100 Compression: -50	1-Part	10-20	Yes
791	Silicone Weatherproofing Sealant Weatherproofing	One-part, medium-modulus sealant offers unprimed adhesion to most window frame materials and outstanding tear strength.	Yes	N/A	30	40	±50	1-Part	15	Yes
795	Silicone Building Sealant Structural Glazing, Glazing, Weatherproofing	One-part formulation cures to a durable, flexible seal that can accommodate ±50 percent movement in properly designed expansion and control joints for both new construction and remedial applications.	Yes	80	35	45	±50	1-Part	20-30	Yes
983	Silicone Glazing and Curtainwall Adhesive/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	170	43	60	±12	2-Part	20-40	Apply >50°F
995	Silicone Structural Sealant Structural Glazing, Glazing	One-component, self-priming, shelf-stable, neutral cure, elastomeric adhesive specifically formulated for silicone structural glazing; also used for impact-resistant protective glazing in high-performance window film applications.	Yes	170	40	48	±50	1-Part	10-20	Yes
999-A <sup>6</sup>	Silicone Building & Glazing Sealant Glazing	Easily applied, one-part formulation that cures to produce a durable, flexible wet glazing and curtainwall seal.	No	325	25	34	±25	1-Part	5-10	Yes

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

<sup>1</sup>Value is based on ASTM C1135 test method unless otherwise noted. <sup>2</sup>20 to 122°F. <sup>3</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. <sup>4</sup>Specific applications may require specific testing. Additional primer recommendations can be obtained by calling Dow Corning. <sup>5</sup>From date of manufacture in original unopened containers unless otherwise noted on package. <sup>6</sup>Tensile is based on the ASTM D412 test method.

N/A - Not Applicable.

Primer Required <sup>4</sup>																	Specifications & Standards
VOC Content, <sup>3</sup> g/L	Fluoropolymer Paint	Silicone Polyester Paint	Anodized Aluminum	Alodine-Treated Aluminum	Granite	Limestone	Concrete	Warranty	Reversion Resistant	Chalking & Cracking	UV Light Resistance	Colors Available	Custom Colors	Packaging	Use-By Date <sup>5</sup>		
86/87	No	Field Test Req.	Field Test Req.	No	No	Yes: 1200/ Primer P/ P5200	Yes: Primer P	20 Years	Yes	No	Excellent	6	Yes	Sausages Pails	12 Months	<ul style="list-style-type: none"> <li>• SWRI Validation</li> <li>• ASTM C 920, Type S, Grade NS, Class 50, Use NT, G, M, A, O</li> <li>• ASTM C 719, ±50%</li> </ul>	
	N/A	N/A	Yes	Yes	N/A	N/A	1205: Call DC	5 Years	Yes	No	Excellent	Gray	No	Sausages	18 Months	<ul style="list-style-type: none"> <li>• ASTM C 719, +100/-50%</li> </ul>	
	N/A	N/A	N/A	N/A	N/A	N/A	No	5 Years	Yes	No	Excellent	Dark Gray	No	Cartridges Pails	12 Months	<ul style="list-style-type: none"> <li>• ASTM C 719, +100/-50%</li> </ul>	
	Yes: 1200/ P5200	Yes: 1200/ P5200	Yes: 1200/ P5200	Yes: 1200	No	P5200	No	5 Years	Yes	No	Excellent	Gray	No	Cartridges Pails	12 Months	<ul style="list-style-type: none"> <li>• ASTM C 920, Type S, Grade NS, Class 100/50, Use T</li> <li>• ASTM C 719, +100/-50%</li> </ul>	
N/A	791 No 795 Yes: 1200/ P5200	791 or 795	791 or 795	791 or 795	791 or 795	791 or 795 Yes: 1200/ Primer P/ P5200	Yes: Primer P	10 Years	Yes	No	Excellent	11	Yes	100-foot Rolls	N/A	<ul style="list-style-type: none"> <li>• Modified ASTM C 719, +200/-75%</li> <li>• Designed for new construction and renovation</li> </ul>	
	N/A	N/A	N/A	N/A	← Required →			10 Years	Yes	No	Excellent	55	Yes	Pails	12 Months	<ul style="list-style-type: none"> <li>• SWRI Validation</li> <li>• Check data sheet for ASTM specs</li> <li>• Designed for new construction and renovation</li> </ul>	
43	Yes: 1200/ P5200	Yes: 1200/ P5200	Yes: Test/ 1200/ P5200	Yes: 1200/ P5200	No	1200/ P5200	No	20 Years	Yes	No	Excellent	12	Yes	Cartridges Sausages Pails	12 Months	<ul style="list-style-type: none"> <li>• SWRI Validation</li> <li>• ASTM C 920, Type S, Grade NS, Class 100/50, Use T, NT, M, G, A, O</li> <li>• ASTM C 719, +100/-50%</li> <li>• UL 263 (ASTM E 119)</li> <li>• TT-S-001543A</li> <li>• TT-S-00230C</li> <li>• EIFS Approvals</li> </ul>	
28	No	No	No	No	No	Yes: 1200/ Primer P/ P5200	Yes: Primer P	20 Years	Yes	No	Excellent	6	Yes	Cartridges Sausages	12 Months	<ul style="list-style-type: none"> <li>• SWRI Validation</li> <li>• ASTM C 920, Type S, Grade NS, Class 50, Use NT, M, G, A</li> <li>• TT-S-001543A</li> <li>• TT-S-00230C</li> </ul>	
31	Yes: 1200/ P5200	No	No	No	No	Yes: 1200/ Primer P/ P5200	Yes: Primer P	20 Years	Yes	No	Excellent	12	Yes	Cartridges Sausages Pails	12 Months	<ul style="list-style-type: none"> <li>• SWRI Validation</li> <li>• ASTM C 1184, Specification for Structural Silicone Sealants</li> <li>• ASTM C 920, Type S, Grade NS, Class 50, Use NT, G, A, O</li> <li>• TT-S-001543A</li> <li>• TT-S-00230C</li> <li>• GSA (C.I.D.) No. A-A-1556, Type S, Grade NS, Class 40, Use NT, M, G, A</li> </ul>	
	Yes: 1200/ Primer C/ P5200	No	No	No	N/A	N/A	N/A	20 Years	Yes	No	Excellent	Gray Black	No	Fiber Packs Pails Drums	12 Months	<ul style="list-style-type: none"> <li>• ASTM C 1184, Specification for Structural Silicone Sealants</li> <li>• ASTM C 920, Type M, Grade NS, Class 12½, Use NT with the exception of application life</li> </ul>	
30	No	No	No	No	No	N/A	N/A	20 Years	Yes	No	Excellent	Black Gray White	No	Cartridges Pails Drums	12 Months	<ul style="list-style-type: none"> <li>• SWRI Validation</li> <li>• ASTM C 1184, Specification for Structural Silicone Sealants</li> <li>• ASTM C 920, Type S, Grade NS, Class 25, Use NT, G, A</li> <li>• ASTM C 719, ±50%</li> <li>• TT-S-001543A</li> <li>• TT-S-00230C</li> </ul>	
40	Yes: 1205	No	Yes: 1200	Yes: 1200	N/A	N/A	N/A	10 Years	Yes	No	Excellent	Clear & 5 colors	Yes	Cartridges Pails	15 Months	<ul style="list-style-type: none"> <li>• TT-S-001543A</li> <li>• TT-S-00230A</li> <li>• FDA Regulation 21 CFR 177.2600 subject to end use compliance</li> <li>• Canadian Std. CAN2-19.13-M82</li> <li>• ASTM C 920</li> <li>• USDA authorized for use in federally inspected meat and poultry plants, classified as USDA-P1</li> </ul>	



Visit [www.dowcorning.com/construction](http://www.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 provide products, solutions and services that are exactly right for you and your customers, the industry and the environment.

**Design:** Dow Corning® brand products and services will help you harness the creative power to use innovative materials and technologies that can enhance your project's aesthetic appeal, performance and longevity.

**Specify:** Dow Corning provides a wealth of 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.

## How To Contact Us

For more information or the name of the Dow Corning sales representative or product distributor in your area, call 1-800-248-2481 or 1-989-496-6000. Dow Corning has sales offices, manufacturing sites, and science and technology laboratories around the globe. Telephone numbers of locations near you are available at [www.dowcorning.com](http://www.dowcorning.com).

### 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.

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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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Construction  
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