

Dow Corning[®] brand Silicone Construction Materials Construction Project Services

Dow Corning Supports the Construction Industry – Globally

Dow Corning is your global construction resource for silicone sealants, coating products and services tailored to meet your construction needs. We can help you select the best product for your application by explaining:

1. The number of products available and what their properties are.
2. New construction substrates and surface treatments.
3. Special sealant requirements in structural silicone glazing applications.
4. Aesthetic requirements on weatherproofing projects.
5. New labor saving products for new and renovation projects.

Dow Corning professionals are available to assist you in this important task. The following services are offered by Dow Corning.

Product Recommendations

Dow Corning will review shop drawings or prints, and other project specification information. We can assist you in the selection of the proper silicone construction products from the following list:

- Dow Corning*[®] 756 SMS Building Sealant
- Dow Corning*[®] 786 Silicone Sealant M
- Dow Corning*[®] 790 Silicone Building Sealant
- Dow Corning*[®] 791 Weatherproofing Sealant
- Dow Corning*[®] 795 Silicone Building Sealant
- Dow Corning*[®] 799 Glass and Metal Building Sealant
- Dow Corning*[®] 983 Silicone Glazing and Curtainwall Adhesive/Sealant
- Dow Corning*[®] 995 Silicone Structural Sealant
- Dow Corning*[®] 999-A Silicone Building & Glazing Sealant
- Dow Corning*[®] 123 Silicone Seal
- Dow Corning*[®] 123 Silicone Seal – H.C.
- Dow Corning*[®] AllGuard Silicone Elastomeric Coating

These are all excellent options for your glazing or weatherproofing applications.

Adhesion Testing

Dow Corning will evaluate in standard laboratory tests the adhesion of our products to job site or representative job site materials (e.g., glass, metal, masonry, composite panels). Results of the adhesion testing, plus product, surface preparation and primer (if needed) recommendations, will be forwarded in writing. Testing takes a minimum of three weeks.

NOTE: All structural silicone glazing applications *must be* reviewed by the Dow Corning Technical Service staff prior to use.

Compatibility Testing

To ensure compatibility, Dow Corning will also test and provide information on the compatibility of accessory materials (e.g., gaskets, spacers, structural glazing tapes, setting blocks) and our silicone products. Incompatibility of glazing materials can lead to sealant discoloration and/or loss of adhesion to the substrate. Testing takes a minimum of four weeks.

NOTE: All structural silicone glazing applications *must be* reviewed by the Dow Corning Technical Service staff prior to use.

Stain Testing

Dow Corning will test and evaluate the performance of its sealants with respect to fluid migration into porous substrates. Results of testing will be forwarded in writing. Testing takes a minimum of 35 days.

NOTE:

- The standard services are offered free of charge.
- Test results will relate only to *Dow Corning*[®] silicone construction materials and the specific construction project under test.
- Samples submitted for evaluation should be identified by project name, manufacturer and composition.
- Information for sample submittal procedures can be obtained from your local Dow Corning Application Sales Engineer or Distributor. To obtain your representative's name and location, call 1-800-248-2481 or contact us at your global construction connection at www.dowcorning.com.

Other Test Requirements

If additional non-standard testing is required, we can provide this to you with a negotiated service charge. Please consult your local Dow Corning Application Sales Engineer at the beginning of the project or check our website at <http://www.dowcorning.com/content/construction/constructionservices.asp>.

ANY REVIEW, RECOMMENDATION OR STATEMENT MADE ON BEHALF OF DOW CORNING RELATING TO AN ENGINEERING DESIGN, ARCHITECTURAL DRAWING, PRODUCT FORMULATION, END-USE SPECIFICATION OR SIMILAR DOCUMENT IS LIMITED TO THE KNOWLEDGE OF 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 TO THE ATTENTION OF THE ENGINEER, ARCHITECT, FORMULATOR, END-USER OR OTHER PERSON THE CONSIDERATIONS THAT MAY BE RELEVANT IN INDEPENDENT EVALUATION AND DETERMINATION OF THE APPROPRIATENESS OF SUCH DESIGN, DRAWING, SPECIFICATION, DOCUMENT OR FORMULA. DOW CORNING ASSUMES NO RESPONSIBILITY FOR THE COMMENTS OR SUGGESTIONS RELATIVE TO SUBJECTS OTHER THAN SUCH PRODUCT PROPERTIES, AND EXPRESSLY DISCLAIMS ANY WARRANTY OR RESPONSIBILITIES FOR SAME.

PLEASE READ YOUR PROJECT SPECIFICATIONS!

***Dow Corning* Silicone Construction Materials Warranty Offerings**

Project-specific warranties are available for *Dow Corning* silicone construction materials as indicated below. Some may require prior print review and laboratory testing by Dow Corning. Because testing can take up to 35 days, advanced planning will be required to ensure a timely issuance of the warranty. Some warranties require documentation of field adhesion testing prior to and during a project. Retain this documentation for the warranty to be valid. You should review all warranty requirements with your Dow Corning representative prior to project initiation.

Project-Specific Warranty Offerings	Prior Laboratory Testing Required	Field Adhesion Testing Required	Print Review Required
Structural Adhesion <i>Dow Corning</i> 795, 983, 995	Yes	Yes	Yes
Weatherseal <i>Dow Corning</i> 756 SMS, 790, 791, 795, 995	No*	Yes	No
Non-Staining <i>Dow Corning</i> 756 SMS, 790, 791, 795, 983, 995	Yes	Yes	No
<i>Dow Corning</i> 123 Silicone Seal Weatherseal System <i>Dow Corning</i> 123 with 791 or 795, with or without <i>Dow Corning</i> AllGuard	No	Yes	No
<i>Dow Corning</i> AllGuard Coating	No†	Yes	No
<i>Dow Corning</i> Parking Structure Sealants (NS, SL, FC)	No	Yes	No

* Surfaces not listed in Dow Corning's *Surface Preparation Guide* or other technical literature will require prior testing or pre-job field adhesion testing to be performed and documented for the Weatherseal Limited Warranty to apply.

† Pre-job field testing is required and must be documented.

Current copies of our limited warranties and application forms for warranty requests are available from our local Dow Corning Application Sales Engineers and authorized Dow Corning distributors. To obtain your representative's name and location, call 1-800-248-2481 or contact us at your global construction connection at www.dowcorning.com. Additional information regarding the submission procedures for obtaining a specific limited warranty follows on the next pages.

Submission Procedures for Obtaining Limited Warranties for *Dow Corning* Silicone Building Materials

Non-Staining Limited Warranty

The 20-Year Non-Staining Limited Warranty is available for our entire building sealant product line. To obtain this warranty, Dow Corning must perform project-specific substrate testing, and written recommendations, as detailed on the warranty, must be followed and documented for this warranty to be valid. Porous substrates such as granite, marble, limestone and travertine are tested to determine if fluid in the sealant has the potential to migrate into the stone.

Two 1" x 3" substrate samples per sealant tested are requested. Testing requires 35 days for completion.

Structural Adhesion Limited Warranty

The 20-Year Structural Adhesion Limited Warranty is available only for *Dow Corning* 995 Silicone Structural Sealant, *Dow Corning* 983 Silicone Glazing and Curtainwall Adhesive, and *Dow Corning* 795 Silicone Building Sealant.

To obtain this warranty, Dow Corning must perform project-specific adhesion and compatibility testing on all substrates that will contact the structural silicone. Also, Dow Corning must review the structural glazing drawings and job specifications for the project. These services are outlined below.

For this warranty to be valid, all written recommendations detailed in the warranty must be followed and documented. Additionally, adhesion testing must be performed in the field, documented and retained to confirm laboratory and/or general recommendations.

A. Adhesion Testing for Structural Adhesion Limited Warranty:

Adhesion testing is performed on any substrates to which the structural silicone sealant will adhere, including metal framing, stone, glass and plastic.

We request that you submit samples that are representative of actual job site conditions. For example, instead of submitting a paint chip, submit a painted metal extrusion.

Submit samples no smaller than 4" x 6" and no larger than 12" x 12" for each sealant to be tested; submit two samples in this size range.

Allow 21 days for testing.

B. Compatibility Testing for Structural Adhesion Limited Warranty:

Gaskets, structural glazing tape, spacers and setting blocks that the silicone will contact are tested for compatibility with the specified sealant.

Submit a 4-6" long sample of each substrate for each sealant to be tested.

Allow 30 days for testing.

C. Blueprint or Drawing Review for Structural Adhesion Limited Warranty:

For vertical structural glazing details showing the structural sealant bite and glueline thickness, glass/panel sizes and appropriate windloads must be provided for review. For 4-sided systems or deadload conditions, provide the structural sealant details, glass/panel size, weight in psf and windload. For sloped glazing, provide the angle from horizontal in degrees, the structural sealant details, glass/panel size, weight in psf and windload for each structural application.

Weatherseal Limited Warranty

This warranty is available when our silicone building sealants are used in non-structural applications, for example, as perimeter seals, weatherseals and cap beads. Our building sealants carry up to a 20-year maximum term for the Weatherseal Limited Warranty. **Field adhesion testing is required** to obtain these warranties and must be documented and retained for this warranty to be valid. Field adhesion test procedures and the *Surface Preparation Guide* are included in the *Dow Corning Americas Technical Manual*, Form No. 62-1112.

To qualify for warranty coverage, the sealant must be applied according to the *Dow Corning Sealant Application Guide*, which may be found in the *Dow Corning Americas Technical Manual*, Form No. 62-1112.

Dow Corning's Weatherseal Limited Warranties are applicable to both new and remedial projects. Because remedial projects differ greatly, please contact your local Dow Corning representative or distributor for assistance in defining your sealant application requirements.

Dow Corning 123 Silicone Seal Warranty

A 10-year project-specific warranty is available for *Dow Corning 123 Silicone Seal*, used with a sealant and the *Dow Corning AllGuard Silicone Elastomeric Coating* (optional). Instructions for proper application procedures to qualify for a warranty are found in the *EIFS Application Guide*, Form No. 62-510, and the *Dow Corning® AllGuard Silicone Elastomeric Coating Application Guide*, Form No. 62-617.

Testing Requirements for Weatherseal Limited Warranty and *Dow Corning 123 Silicone Seal Warranty*:

Dow Corning publishes a *Surface Preparation Guide*, which provides general recommendations for our products on a wide variety of substrates. For this warranty to apply, **adhesion testing must be performed in the field, documented and retained** to confirm laboratory and/or general recommendations.

For cap bead weathersealing over existing gaskets, laboratory compatibility testing is particularly important in determining sealant compatibility if light-colored sealants are considered. Sealant colors of black, bronze or charcoal will mask discoloration and perform as a weatherseal on non-silicone gaskets.

Dow Corning Parking Structure Sealants Warranty

A 5-year project-specific warranty is available for all parking structure sealant products. Sealants must be applied according to the procedures identified in the *Parking Structure Sealants Application Guide*, Form No. 62-481. In addition, **field adhesion testing must be done, documented and retained** as part of the warranty application process. Completion date refers to when the application of the Parking Structure Sealant was finished.

Dow Corning AllGuard Silicone Elastomeric Coating Warranty

A 10-year project-specific warranty is available for *Dow Corning AllGuard Silicone Elastomeric Coating*. To qualify for the warranty, the product must be applied according to the instructions in the *Dow Corning® AllGuard Silicone Elastomeric Coating Application Guide*, Form No. 62-617, and 10 dry mils coverage must be verified. In addition, **field adhesion testing must be done, documented and retained** as part of the warranty application process. This testing must be done prior to the start of the project. Warranty applications must include the amount of area covered and the amount of AllGuard used. Completion date refers to when the application of the AllGuard was finished.

Other Warranties

For VIP Weatherseal System (which may include 123 Silicone Seal and AllGuard), and VIP Stadium, Protective Glazing, Contractors Weatherproofing, General Product and Exception warranties, consult your local Dow Corning Application Sales Engineer prior to the start of the project. To find out the name and phone number for your Dow Corning Application Sales Engineer, call 1-800-248-2481.

Dow Corning Information on the Web:
<http://www.dowcorning.com/>

FOR PREMIER USERS:

Commercial Glazing

Under the heading of:

Application Guides

- Dow Corning Americas Technical Manual

Resources

- Warranties
 - Structural Glazing
 - Warranty Application Form

Project Information

- Project Submittal Form
- Standard Field Adhesion Test
- Field/Shop Adhesion Testing Log

Weatherseal

Under the heading of:

Application Guides

- AllGuard Application and Maintenance Guide
- EIFS Restoration Guide
- Dow Corning Americas Technical Manual

Resources

- Warranties
 - 123 Silicone Seal
 - AllGuard
 - Parking Structure Sealant
 - Weatherseal
 - Contractors Weatherproofing Sealant
 - General Product
 - Warranty Application Form

Project Information

- Project Submittal Form
- Building Sealants Recommendations and Surface Preparation Guide
- Standard Field Adhesion Test
- Field/Shop Adhesion Testing Log
- Testing Methods

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.

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We help you invent the future. is a trademark of Dow Corning Corporation.

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