

# *Dow Corning*<sup>®</sup> Professional Silicone Sealants



# Product Selection Guide

## Structural Glazing

### Dow Corning® 983 Structural Glazing Sealant



- Approved for Structural Glazing Applications
- Meets ASTM C1184
- Meets ASTM C719 Class 25
- 25% movement capability
- Improved productivity
- Low VOC formula

*Dow Corning 983 Structural Glazing Sealant* is designed for factory glazing and curtain wall production. It is a two-part, neutral cure silicone sealant. Once cured, this structural sealant forms a durable, flexible and watertight bond. It has excellent unprimed adhesion to most glass, chromated and anodized aluminum and many painted aluminum surfaces. A primer may be required for fast and consistent adhesion to polyester powdercoat and fluorocarbon coatings and other high performance coated substrates approved for architectural structural glazing applications.

### Dow Corning® 995 Silicone Structural Glazing Sealant



- Approved for Structural Glazing Applications
- Meets ASTM C1184
- Meets ASTM C-920
- Meets ASTM C719 Class 50
- 50% movement capability
- Successfully tested for use in protective glazing applications
- Excellent weathering characteristics and a high resistance to UV, heat and humidity

*Dow Corning 995 Silicone Structural Glazing Sealant* is a one-component neutral-curing silicone sealant designed specifically for structural bonding applications of glass and metal in factory or field situations. This high ultimate tensile strength sealant is ideally suited for structural bonding and protective glazing applications. It has excellent unprimed adhesion to wide range of substrates including coated, enameled, and reflective glasses; anodized and polyester coated or painted aluminum profiles including most fluoropolymer based paints such as Kynar™. It meets global standards for structural glazing.

### Dow Corning® 795 Structural Glazing Sealant

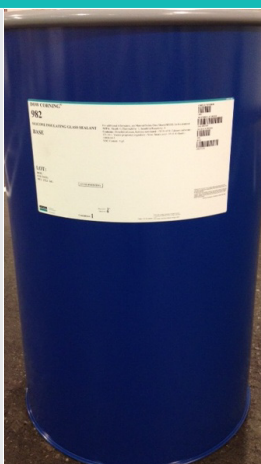


- Approved for Structural Glazing Applications
- Meets ASTM C1184
- Meets ASTM C-920
- Meets ASTM C719 Class 50
- 50% movement capability
- Ease of use – all-temperature gunnability and easy tooling
- Excellent weathering characteristics and a high resistance to UV, heat and humidity

*Dow Corning 795 Structural Glazing Sealant* is a one-component neutral Silicone sealant designed for site or factory glazing and curtainwall production. It requires contact with air as it reacts with atmospheric moisture to cure to a tough but flexible silicone rubber. *Dow Corning 795 Structural Glazing Sealant* can be used where dual structural and weatherseal applications are desired. It has up to +/- 50% movement capability in a well-designed weatherseal joint. It has excellent adhesion to a wide range of substrates, including glass, anodized and coated aluminium profiles.

## Insulating Glazing

### Dow Corning® 982 Silicone Insulating Glass Sealant



- Cures to form a durable, high modulus, weather tight seal
- Excellent unprimed adhesion to a wide range of coated glasses and aluminium and steel spacers
- Structural capability as secondary sealant for insulating glass units used in structural glazing
- Non-slump formulation suitable for manual and automated glazing
- Fast Curing
- Neutral cure
- Excellent temperature stability from -50°C to 150°C
- Outstanding resistance to ozone and UV radiation
- Low shrinkage (<5 percent)

*Dow Corning 982 Silicone Insulating Glass Sealant* is intended for use as a secondary sealant in dual-sealed insulating glass units. A primary seal of polyisobutylene is required to prevent moisture vapor transmission into the airspace in the insulating glass unit. *Dow Corning 982 Silicone Insulating Glass Sealant* can bond the individual components of the insulating glass unit to form a weather-resistant unit capable of being certified for industry standards. Conformance can be confirmed by an independent test laboratory in accordance with industry standard. *Dow Corning 982 Silicone Insulating Glass Sealant* can also be used as the secondary edge seal in insulating glass units that will be structurally glazed.

## Weathersealing and Cladding

### Dow Corning® 791 Silicone Weatherproofing Sealant



- 50% movement capability
- Neutral cure - suitable for use on coated glass, galvanized steel, masonry and other porous and non-porous substrates
- Meets ASTM C920
- Meets ASTM C719 class 50
- Excellent weathering characteristics and a high resistance to UV, heat and humidity

*Dow Corning 791 Silicone Weatherproofing Sealant* is a specified, premium performance weather sealing product specifically designed for general glazing and weather sealing in curtain wall and building facades. It is a one component, neutral cure sealant with 50% movement capability and an excellent unprimed adhesion to a wide variety of construction materials and building components. This makes it ideal for expansion, connection, perimeter and other movement joints.

### Dow Corning® 991 Silicone High Performance Sealant



- Non-staining on natural stone and reduces residue rundown on metal and glass panels
- One-part easy to use formulation
- 50% movement capability
- Excellent weathering characteristics and a high resistance to UV, heat and humidity
- Excellent unprimed adhesion to most building substrates

*Dow Corning 991 Silicone High Performance Sealant* is a medium-modulus elastomeric silicone sealant designed for weatherproofing. It is specially formulated to prevent staining of porous substrates such as natural stone and minimize streaking on metal panels and glass. It forms a durable, flexible, watertight bond with most building materials and can be used for new and remedial construction applications. Sensitive natural stone, glass and metal panels.

### Dow Corning® 688 Silicone Glazing & Cladding Sealant



- 25% movement capability
- Bonds to most common construction materials without use of primer
- Excellent recovery from extension and compression
- Ease of application – ready to use as supplied
- Good weatherability – it is virtually unaffected by sunlight, rain, humidity or temperature extremes
- Long life reliability

*Dow Corning 688 Silicone Glazing & Cladding Sealant* is a one-part neutral cure silicone sealant designed for a wide range of glazing, weathersealing and professional caulking applications. It will bond to form a strong weatherproof seal on most common building materials. It is a construction grade sealant that easily extrudes in any weather

## Primers

### Dow Corning® 1200 OS Primer



- Improves adhesion of silicone sealants to many substrates
- User friendly with low VOC - meets SCAQMD rule 1168

*Dow Corning 1200 OS Primer* is used to improve adhesion and accelerate adhesion build-up of silicone sealants to various substrates. This moisture curing primer is supplied as a dilute solution of reactive materials in low viscosity siloxane.

### Dow Corning® Primer-C OS



- Improves adhesion of silicone sealants to many substrates, especially plastics and Fluoro paints
- User friendly with low VOC - meets SCAQMD rule 1168

*Dow Corning Primer-C OS* is an adhesion promoter for silicone adhesives and sealants offering a low VOC and unique fluorescing feature, allowing for a visual quality control check to ensure primer has been applied. It improves sealant adhesion to plastics

### Dow Corning® Construction Primer P



- Improves adhesion of silicone sealants to masonry, stone, concrete, and metal surfaces
- Film-forming primer resists adhesion degradation due to water immersion

*Dow Corning Construction Primer P* is an adhesion promoter suitable for use on porous substrates such as natural stone, masonry and glass fiber-reinforced concrete

# How to contact us

Dow Corning has sales offices, manufacturing sites, and science and technology laboratories around the globe. To learn how Dow Corning can help your business, contact your nearest Customer Service Specialist – find out how at [dowcorning.com/contactus](http://dowcorning.com/contactus).

## Singapore

### Dow Corning Singapore Pte., Ltd.

1 Fusionopolis Walk  
#07-11 Solaris, North Tower  
Singapore 138628  
Singapore  
Tel: +65 6253 6611  
Fax: +65 6253 6070

## Thailand

### Dow Corning Co. Ltd.

Tel: +66 2 634 6700  
Fax: +66 2 634 6798 99

## Malaysia

### Dow Corning Singapore Pte., Ltd.

Tel: +60 3 503 22128  
Fax: +60 3 503 22138

## Philippines

### Dow Corning Singapore Pte., Ltd.

Tel: +63 2 635 2797  
Fax: +63 2 634 0128

## Vietnam

### Dow Corning Singapore Pte., Ltd.

Tel: +848 3 910 3388  
Fax: +848 3 910 3377

## Australia

### Dow Corning Australia Pte., Ltd.

Tel: +61 2 9544 4361  
Fax: +61 2 9544 4361

## India

### Dow Corning India Pvt Limited

Tel: +91 22 669 46868  
Fax: +91 22 669 46848

## Korea

### Dow Corning Korea Ltd. 1

Tel: +82 2 6411 7600  
Fax: +82 2 6411 6400

## China

### Dow Corning (China) Holding Co., Ltd.

Tel: +86 21 3899 5500  
Fax: +86 21 5079 6567

## Taiwan

### Dow Corning Taiwan Inc

Tel: +86 21 3899 5500  
Fax: +86 21 5079 6567

## Japan

### Dow Corning Toray Co., Ltd.

Tel: +81 3 3287 1011  
Fax: +81 3 3287 1201

## Indonesia

### Dow Corning Singapore Pte., Ltd.

Tel: +62 21 230 3255  
Fax: +62 21 230 3323

**Images:** Page 1 - AV19848, Page 2 - AV14122, AV18594, AV14098, Page 3 - AV14100, AV16356, AV20656, AV18079, AV20500, AV14138

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

#### 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.**

*Dow Corning* is a registered trademark of Dow Corning Corporation.

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

©2013 Dow Corning Corporation. All rights reserved.

Printed in USA

30015135

Form No. 62-1211B-01

*We help you invent the future.™*