

# *Dow Corning*<sup>®</sup> 688 Silicone Glazing and Cladding Sealant

## **FEATURES**

- Adheres to a wide range of building materials and finishes
- Neutral cure; will not corrode galvanized / zinc-coated steel or attack concrete
- Excellent resistance to weathering, ultra-violet radiation, vibration, moisture, ozone, temperature extremes, airborne pollutants, cleaning detergents and many solvents
- Long life reliability
- Meets International Standard such as CNS 8903, BS 5889, BS EN ISO11600 20LM
- Strong elastic seal capable of withstanding movements up to ±25% of original joint width
- Non-slumping; can be used in vertical and overhead joints
- Easy to use – one part, no mixing required
- Can be applied in any season

## **BENEFITS**

- Good weatherability – it is virtually unaffected by sunlight, rain, snow, ozone or temperature extremes
- Easy to use
- Bonds to most common construction materials without use of primer
- Excellent recovery from extension and compression
- Ease of application – ready to use as supplied

One-part neutral cure silicone sealant

## **APPLICATIONS**

*Dow Corning*<sup>®</sup> 688 Silicone Glazing and 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.

## **TYPICAL PROPERTIES**

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

Test*	Property	Unit	Result
<b>As Supplied – tested at 25°C, 50% relative humidity</b>			
	Flow, Sag or Slump		Nil
	<sup>1</sup> Approximate Working Time	Minutes	10
	<sup>1</sup> Tack Free Time: Translucent	Minutes	30
	Colors	Minutes	30
	Specific Gravity: Translucent		1.03
	Colors		1.40
<b>As Cured – After 7 days at 25°C, 50% relative humidity</b>			
	Durometer Hardness, Shore A:		
	Translucent	Points	27
	Colors	Points	32
ASTM D412	Ultimate Tensile Strength	MPa	1.10
ASTM D412	Ultimate Elongation at Break	%	400
	Temperature Stability	°C	-20 to 120
	Movement Capability		±25

\*ASTM: American Society for Testing and Materials.

<sup>1</sup>Sealant cure rate and working time may vary with temperature and humidity.

Please obtain a copy of the Dow Corning Sales Specification for this product, and use it as a basis for your specification.

## DESCRIPTION

*Dow Corning*<sup>®</sup> 688 Silicone Glazing and Cladding Sealant is one-part neutral cure, construction grade sealant that easily extrudes in any weather. It quickly cures at room temperature by reaction with moisture in the air to form a durable, flexible silicone rubber seal.

It has excellent unprimed-adhesion to most construction materials.

## SPECIFICATIONS

Meets the requirements of: CNS 8903 A 2136 SR-1-9030-A-N, BS 5889 Type B, BS EN ISO11600 20LM.

## HOW TO USE

Please consult the Dow Corning Application Manual for detailed information on state-of-art application methods and joint design. Please contact your local Dow Corning sales office for specific advice.

### Preparation

Clean all joints and glazing pockets, removing all foreign matter and contaminants such as grease, oil, dust, water, frost, surface dirt, old sealants, or glazing compounds and protective coatings.

### Application Method

Install backing material or joint filler, setting blocks, spacer shims, and tapes. Areas adjacent to joints may be masked to ensure neat sealant lines. Primer is generally not required on non-porous surfaces. Dow Corning recommends that a field test be carried out prior to application. To confirm optimum adhesion on either a porous or non-porous surface, adhesion testing should always be carried out prior to the commencement of any project. Please contact your local Dow Corning sales office for specific advice.

Apply *Dow Corning*<sup>®</sup> 688 Silicone Glazing and Cladding Sealant in a continuous operation using a positive pressure. Tool the sealant with light pressure to spread the sealant against the backing material and joint surfaces before a skin forms. The applied

sealant should be tooled and masking tape removed before the sealant has formed a cured skin.

## HANDLING PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATASHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATASHEET 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.

## USABLE LIFE AND STORAGE

Store in original unopened containers in a dry place. Storage temperature should not exceed 30°C.

*Dow Corning*<sup>®</sup> 688 Silicone Glazing and Cladding Sealant has a shelf life of 12 months from date of manufacturing as noted with “use by” date printed on the packaging.

## PACKAGING INFORMATION

This product is supplied in 300 ml disposable plastic cartridges or 600 ml aluminum foil sausage.

## LIMITATIONS

*Dow Corning*<sup>®</sup> 688 Silicone Glazing and Cladding Sealant is not recommended for use in continuous water immersion, nor for below ground or other joints where excessive abrasion and physical abuse are encountered.

It should not be applied:

- To build materials that bleed oils, plasticizers, or solvents – materials such as impregnated wood, oil-based caulks and certain green or partially

vulcanized rubber gaskets and tapes.

- To copper or copper containing building materials.
- To surfaces in direct contact with food. This sealant has not been tested to determine its status under Federal Food and Drug Administration regulations.
- To uncured sealant other than *Dow Corning*<sup>®</sup> 688 Silicone Glazing and Cladding Sealant. Sealant with different cure chemistry, such as one part structural sealants, should be fully cured before *Dow Corning*<sup>®</sup> 688 Silicone Glazing and Cladding Sealant is applied.

## 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 Web site, [dowcorning.com](http://dowcorning.com) or consult your local Dow Corning representative.

## 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.**

*We help you invent the future.* <sup>TM</sup>

**dowcorning.com**