Product Information

DOW CORNING

DOW CORNING® 688
Silicone Glazing and Cladding Sealant

one-part neutral cure

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; cured sealant stays rubbery from -50˚C to +150˚C without tearing, cracking, drying out or becoming brittle.
- Meets Inernational Standard such as CNS 8903, BS 5889 and BS EN ISO 11600.
- 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
- Compatible with all Dow Corning structural sealants

APPLICATIONS

Dow Corning® 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

Specifications 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.

As Supplied – tested at 25˚C, 50% relative humidity		
Flow, Sag or Slump		Nil
Approximate Working Time, Minutes		10
Tack Free Time, Minutes	Translucent	30
	Colours	30
Sealant cure rate and working time will vary with temperature and humidity.		
Specific Gravity	Translucent	1.03
	Colours	1.40

As Cured – after 7 days at 25˚C, 50% relative humidity		
Durometer Hardness, Shore A, Points	Translucent	27
	Colours	32
Ultimate Tensile Strength at ASTM D412, MPa		1.10
Ultimate Elongation at Break ASTM D412		400%
Temperature Stability, ˚C		-20 to 120
Movement Capability, Percent		±25
Application Standard		BS 5889 Type B
		CNS 8903 A 2136 SR-1-9030-A-N
		BS EN ISO 11600 25HM

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

DESCRIPTION

Dow Corning® 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 product a durable, flexible silicone rubber seal.
It has medium modulus characteristics and excellent unprimed-adhesion to most construction materials. It is also suitable as a remedial sealant to replace failed organic sealants.

SPECIFICATIONS

Meets the requirements of:
CNS 8903 A 2136 SR-1-9030-A-N,
BS 5889 Type B,
BS EN ISO 11600 F&G-25HM.

HOW TO USE

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

Preparation

Clean all joints removing all foreign matter and contaminants such as grease, oil, dust, water, frost, surface dirt, old sealannts 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. On porous surfaces, Dow Corning recommend that a test sample 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® 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 backing material and the joint surfaces before a skin forms. The applied sealant should be tooled within 15 minutes or before tape as soon as the bead is tooled.

HANDLING PRECAUTIONS

Product safety information required for safe use is not included. Before handling, read product and 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 www.dowcorning.com. You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

USABLE LIFE AND STORAGE

Stored in original unopened containers in a dry place. Temperature should be exceed 30°C or prolonged period. Dow Corning® 688 Silicone Glazing and Cladding Sealant has a shelf life of 12 months from date of manufacturing which stated "use by" date printed on the packaging.

PACKAGING

This product is supplied in 600 mL aluminum foil sausage.

LIMITATIONS

- Dow Corning® 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 building materials that bleed oils, plasticisers, or solvents - materials such as impregnaated wood, oil-based caulks and certain green or partially vulcanized reubber gaskets and tapes.
- In totally confined spaces where sealant is not exposed to atmosphere moisture.
- To copper or copper containing building materials.
- To surfaces in direct contact with food.
- This sealant has not been tested to determine status under Fereral Food and Drug Administration regulations.
  To any uncured sealant apart from Dow Corning® 688.

HEALTH AND ENVIRONMENTAL INFORMATION

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Health, Environment and Regulatory Compliance (PS & RC) specialists available in each area.
For further information, please see our website, www.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 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.