

DOW CORNING® 789

Silicone Weatherproofing Sealant

One-part neutral cure

FEATURES

- ♦ All-temperature gunability — consistency is virtually unchanged from -37°C to 71°C permitting the sealant to be applied in any season to dry, frost-free surfaces.
- ♦ Neutral cure — suitable for use on masonry substrates and will not react with or corrode most building components.
- ♦ Primerless adhesion — upon curing will form a strong bond to most common building components without the use of a primer.
- ♦ Long-life reliability — cured sealant stays elastomeric from -54°C to 149°C without hardening, cracking or becoming brittle under normal weather conditions.
- ♦ Medium Modulus — with extension/compression capability up to ±30% of original joint width.

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® 789 silicone weatherproofing sealant is designed for sealing expansion and control joints, precast concrete panel joints, non structural curtainwall mullion joints, stress cracks and joints in parapet walls.

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 method	Property	Value
As Supplied		
	Colour	black, grey, white
MIL-S-8802E	Tack-Free Time (minutes)	Less than 120
MIL-S-8802E	Curing Time (days at 25°C)	3-7
--	Full Adhesion (days)	7-14
MIL-S-8802E	Flow, sag or slump (mm)	non-sag
--	Working Time (minutes)	30-40
As cured — after 7 days at 50% RH and 25°C		
ASTMD2240	Durometer Hardness, Shore A (points)	24
ASTMD412	Tensile at 150% Elongation (Mpa)	0.5
ASTMC510	Staining	None
	Ozone Resistance	Good
ASTMC719-79	Joint Movement Capability after 21 days cure (per cent)	±30
ASTMD624	Tear Strength, die B (N/m)	3700

DESCRIPTION

DOW CORNING® 789 silicone weatherproofing 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:

KS F 4910 F-20HM

ISO 11600 F&G-20HM

HOW TO USE

Please consult the Dow Corning Application Manual for detailed information on state-of-the art application methods and joint design. (See contact list.) 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 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. 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® 789 silicone weatherproofing 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 a cured skin forms. Remove masking 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

When stored at or below 27°C DOW CORNING® 789 silicone weatherproofing sealant has a shelf life of six months from date of shipment. Keep containers tightly closed to avoid contact with moisture. Previously opened cartridges may be used by simply removing the cured plug of sealant from the nozzle.

PACKAGING

This product is supplied in 415g (300ml) disposable plastic cartridges and bulk pails.

COLORS

This product is available in 3 colors: black, grey and white. Please contact your local Dow Corning sales office for additional local color availability. Custom colors are also available upon request.

LIMITATIONS

- ♦ DOW CORNING® 789 silicone weatherproofing 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 impregnated wood, oil-based caulks and certain green or partially vulcanized rubber gaskets and tapes.
- ♦ In totally confined spaces where sealant is not exposed to atmospheric 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 Federal Food and Drug Administration regulations.
- ♦ To any uncured sealant apart from DOW CORNING® 789.

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 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.

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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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