

Product Information

DOW CORNING® 786 Mildew Resistant Silicone Sealant

FEATURES

- Conforms to BS 5889, Type B.
- Meets the U.S. Food and Drugs Administration Regulation No. 21CFR177.2600.
- Safe for repeated food contact.
- Highly resistant to mildew and mould growth.
- Joint movement capability +/- 25%.
- Excellent adhesion to most non-porous surfaces.
- Fast cure.

One-part silicone sealant

APPLICATIONS

DOW CORNING 786 is a one part, flexible; fast curing silicone rubber sealant specifically designed for the sealing of refrigeration units and areas where contact with food is likely.

TYPICAL PROPERTIES

The following values are not intended for use in preparing specifications:

Cure Type	: Acetoxy
Working Time	: 5-10 minutes
Slump	: Nil
Tack Free Time	: 1 hour
Cure Time for 2.5mm depth	: 24 hours
Joint Movement Capability	: +/-25%
Recovery	: 100%
Staining	: None
Hardness (Shore A)	: 25
Service Temperature Range	: -50°C to +150°C
Application Temperature Range	: 5°C to 40°C

JOINT DESIGN

When designing joints using DOW CORNING 786, the minimum joint width should be 6mm. For joints between 6mm-12mm wide, a seal depth of 6mm is required. For joints above 12mm wide, a width to depth ratio of 2:1 should be used. In situations where fillet joints are needed, a minimum of 6mm sealant bite to each substrate is recommended.

HOW TO USE

Surface Preparation

Ensure that surfaces to be sealed are clean, dry, sound and grease free. Clean with DOW CORNING R40 Universal Cleaner or methylated spirits depending on the substrates to be sealed, and dry thoroughly with a clean, lint-free cloth before application of sealant.

Note: When using any solvent, always provide adequate ventilation. Avoid heat, sparks and open flames. Use solvent resistant gloves. Observe and follow all precautions listed on solvent container label. It is recommended that DOW CORNING 786 is not applied to surfaces that are below 5°C as it is impossible to guarantee a dry surface at this temperature.

Masking

Areas adjacent to the joints should be masked with tape to prevent contamination of the substrates and to ensure a neat sealant line. Masking tape should be removed immediately after tooling.

Priming

Primer is not required on most common non-porous substrates including vitreous enamel, ceramics, porcelain, glazed tiles, etc. For some metals and plastics priming is required. For specific advice, please refer to the Dow Corning Primer Guide or contact Geocel for technical assistance.

Back-Up Materials

Where back-up material is required closed cell polyethylene backer rod is recommended. Low tack polyethylene tape should be used in joints too shallow to allow the use of backer rod.

Finishing

The joint should be tooled within 5 minutes of application to ensure good contact between the sealant and the substrate. Tooling of the sealant also gives a smooth, professional finish.

Clean-Up

Excess sealant may be cleaned off tools and non-porous surfaces whilst in an uncured state using DOW CORNING R40 Universal Cleaner. Cured sealant may be removed with the aid of DOW CORNING Silicone Sealant Remover, abrasion or other mechanical means. Care should be taken not to damage plastic surfaces.

USEABLE LIFE AND STORAGE

12 months from date of production when stored in cool, dry conditions below 23°C.

COLOUR RANGE & PACKAGING

DOW CORNING 786 Silicone Sealant is available in white and clear and is supplied in 310ml cartridges, packed in boxes of 12.

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. You can obtain a copy from your local Dow Corning sales representative or distributor.

LIMITATIONS

DOW CORNING 786 Silicone Sealant should not be applied to porous surfaces such as stone or concrete, or to easily corroded metals such as lead or copper. DOW CORNING 786 should not be used against surfaces that bleed oils, plasticisers or solvents. Contact Geocel's Technical Services Department for further advice on specific applications.

**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.

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Geocel Ltd
Western Wood Way
Langage Science Park
Plympton, Plymouth
Devon PL7 5BG
Tel: 01752 334350
Fax: 01752 202065
Email: info@geocel.co.uk
www.geocel.co.uk