

# Dow Corning® 799 EU Glaze and Go Neutral Sealant

## FEATURES

- Neutral cure
- Low modulus, high elasticity
- Good unprimed adhesion to a variety of substrates
- Non-corrosive to metals
- Easy to apply and tool
- Low odor
- Confirms to ISO11600-F&G-25LM
- Resistant to ultra-violet radiation
- Contains fungicide

## APPLICATIONS

- Dow Corning® 799 EU Glaze and Go Neutral Sealant is a one-part neutral curing, low modulus silicone sealant specially formulated for glazing and weathersealing of windows.
- Dow Corning 799 EU Glaze and Go Neutral Sealant offers durable adhesion to most porous and non-porous substrates including masonry, brick, aluminium, PVC, glass and glazed surfaces.
- Dow Corning 799 EU Glaze and Go Neutral Sealant is mold and mildew resistant.

## TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

CTM*	Property	Unit	Result
	Cure system		Neutral
	Application temperature	°C	+5 to +40
		°F	+41 to +104
097B	Specific gravity	g/ml	1.03
364C	Extrusion	g/min	90
155A	Penetration	1/10 mm	110
098	Skin-over time (23°C or 73.4°F, 50% R.H.)	Minutes	12
095A	Tack-free time (23°C or 73.4°F, 50% R.H.)	Minutes	18
663A	Cure rate (23°C or 73.4°F, 50% R.H.)		
	1 day	mm	2.8
	3 days	mm	4.3
	<b>2 mm thickness S2 dumb-bells (ASTM** D412)</b>		
137A	E-Modulus 100%	MPa	0.31
137A	Tensile strength	MPa	1.3
137A	Elongation at break	%	600
	<b>12*12*50mm size T.A. joint (ISO*** 8339)</b>		
677	E-modulus 100%	MPa	0.3
677	Tensile strength	MPa	0.55
677	Elongation at break	%	340
677	Failure mode	% Cohesive Failure	100% CF
99E	Hardness	Shore A	16

\* CTM: Corporate Test Method, copies of CTM's are available on request.

\*\*ASTM: American Society for Testing and Materials.

\*\*\*ISO: International Standardisation Organisation.

## TECHNICAL SPECIFICATIONS AND STANDARDS

DIN 18545 E  
ISO 11600 F 25LM (mortar primed)  
ISO 11600 G 25LM

## HOW TO USE

### Surface preparation

Surfaces must be cleaned, dry and free from grease and dust. Non-porous surfaces, such as aluminum, glass etc., should be cleaned with a suitable solvent for the substrate.

Porous substrates such as concrete, brickwork, mortar, etc. must be mechanically cleaned from loose particles using a steel brush, sanding disc, or any similar means. The use of a primer is recommended to obtain durable adhesion performance on such porous substrates, or if water immersion is expected to occur during the service life of the assembly. Otherwise, primers are not usually required but might be needed for some specific substrates to achieve optimum adhesion.

### Priming

This product adheres to a variety of porous and non-porous substrates.

Users must carry out their own tests due to the great variety of substances. In many cases, adhesion can be improved by pretreatment of the substrates with a primer:

- *Dow Corning*<sup>®</sup> 1200 OS for metals.
- *Dow Corning*<sup>®</sup> Primer P for concrete and brick.

### How to apply

*Dow Corning* 799 EU Glaze and Go Neutral Sealant is ready to use. After suitable joint preparation and masking, the sealant is gunned into place and tooled within 5 to 10 minutes using a spatula or tooling instrument.

After tooling, tooling aids and masking tape should be immediately removed. *Dow Corning* 799 EU Glaze and Go Neutral Sealant cures reacting with atmospheric moisture. Typical properties are given for testing conditions of 23°C (73.4°F) and 50% R.H.

Uncured material can be removed by using a solvent. Cured material may be removed by abrasion or other mechanical means.

### Joint design

The sealant joint width should be designed to accommodate the movement capability of the sealant. In general, the minimum joint width should be 6mm. For joints between 6-12mm wide, a seal depth of 6mm is recommended.

For joints above 12mm wide, a width to depth ratio of 2: 1 should be used, up to a maximum depth of 12mm. For joint dimensions greater than 25mm, please contact Dow Corning's Technical Service Department.

In situations where fillet joints are needed, a minimum of 6mm sealant bite to each substrate is recommended. Bond beaker tape or a backer rod should be used as back-up material to provide backpressure and avoid three-sided adhesion that limits sealant movement capability.

### 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 Web site at [dowcorning.com](http://dowcorning.com).

### TECHNICAL SERVICES

**Your Dow Corning contact details (e-mails):**

**Technical inquiries:**  
[eutech.info@dowcorning.com](mailto:eutech.info@dowcorning.com)

**Marketing:**  
[construction.marketing@dowcorning.com](mailto:construction.marketing@dowcorning.com)

**Quality Bond:**  
[qualitybond@dowcorning.com](mailto:qualitybond@dowcorning.com)

**EHS inquiries:**  
[europa.ehs@dowcorning.com](mailto:europa.ehs@dowcorning.com)

### Reach inquiries:

[reachsupport@dowcorning.com](mailto:reachsupport@dowcorning.com)

**Your Dow Corning Construction contact details:**

**Toll Free Numbers: All other countries:**

**From Belgium** 0800 80 522

**For English** +32 64 51 11 59

**From France** 0805 54 04 39

**For French** +32 64 51 11 59

**From Germany** 0800 52 50 258

**For German** +49 611 237503

**From Italy** 800 92 83 30

**For Italian** +32 64 51 11 73

**From Spain** 900 813161

**For Spanish** +32 64 51 11 66

**From United Kingdom**

0800 91 72 071

**For Russian** +7 495 725 43 19

**Fax number from all countries:**

+32 64 88 86 86

### USABLE LIFE AND STORAGE

When stored at or below 30°C (86°F) in the original unopened containers, this product has a usable life of 12 months from the date of production.

### PACKAGING INFORMATION

This product is available in 205 kg drums, 310 ml cartridges, 400 and 600 ml sausages.

### LIMITATIONS

Do not use *Dow Corning* 799 EU Glaze and Go Neutral Sealant in totally confined space because the sealant requires atmospheric moisture to cure. Bleeding can occur on porous substrates such as concrete, marble, granites and other natural stones. On these sensitive substrates, specific testing should be carried out.

*Dow Corning* 799 EU Glaze and Go Neutral Sealant must be properly stored prior to use.

*Dow Corning 799 EU Glaze and Go Neutral Sealant* is not recommended for structural glazing or insulated glazing applications. *Dow Corning 799 EU Glaze and Go Neutral Sealant* is neither suitable for direct food contact use, nor for direct medical or pharmaceutical applications.

## **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.*™

**[dowcorning.com](http://dowcorning.com)**