

Dow Corning® 793T Silicone Glazing Sealant

FEATURES

- Ease of application-ready to use as supplied; no catalyzing or mixing required. Can be extruded in place from cartridges using ordinary caulking guns.
- 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.
- Good weatherability like other Dow Corning silicone building sealants, it is virtually unaffected by sunlight, rain, snow, ozone or temperature extremes.
- Long life reliability-cured sealant stays elastomeric from -54°C to 149°C without hardening, cracking or becoming brittle under normal weather conditions.
- Extended working time allows the applicator more working and tooling time after application of sealant resulting in neater appearance and greater efficiency.

BENEFITS

- Easy to use; excellent recovery from extension and compression.

COMPOSITION

- Non-Structural glazing

One-part translucent, silicone rubber

APPLICATIONS

- Dow Corning® 793T Silicone Glazing Sealant meets or exceeds the test requirements of: ASTM Specification C-920 Type S, Grade NS, Class 25, Use NT, G, A.

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.

Test	Property	Unit	Result
As supplied	Color		translucent
MIL-S-8802D	Tack-Free Time	min	less than 90
MIL-S-8802	Curing Time	days at 25°C	3
	Full Adhesion	days	7-14
MIL-S-8802D	Flow, sag or slump	mm	non-sag
	Working Time	min	15 - 30
As Cured – after 7 days at 25°C and 50% RH			
ASTMD2240	Durometer Hardness, Shore A	points	26
ASTMD412	Ultimate Tensile Strength, maximum elongation	MPa	1.4
TT-S-01543A	Staining		None
TT-S00230C	Joint Movement Capability after 14 days cure	percent	+(-)25
ASTM D624	Tear Strength, die B	N/m	3851

DESCRIPTION

Dow Corning 793T Silicone Glazing 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 produce a durable, flexible silicone rubber seal.

HOW TO USE

Cleaning the Surface

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.

All substrates should be cleaned with a degreasing solvent such as xylene, toluene or MEK. For further cleaning details consult 'Dow Corning Construction Sealants Application Requirements and Precautions.'

Note: When using any volatile solvent, always provide adequate ventilation. Avoid heat, sparks and open flame. Observe and follow all precautions listed on solvent container label.

Priming

Certain substrates may require the use of primer with this product. For further information please consult Dow Corning or your local distributor.

Masking

Areas adjacent to joints may be masked to assure neat sealant lines. Do not allow masking tape to touch clean surfaces to which the silicone sealant is to adhere. Tooling should be completed in one continuous stroke immediately after sealant application and before a skin forms. Masking should be removed immediately after tooling.

Backing Materials

Open cell polyurethane foam rod is the recommended back-up material. Polyethylene tape is recommended for joints too shallow to allow foam rod.

Note: Prior to applying *Dow Corning 793T Silicone Glazing Sealant* it is necessary to ensure the prevention of independent movement of glass panels. This can be achieved by using mechanical fasteners at the one-third and two-third points of the joint. The sealant may now be applied to the fastened joint. The fasteners are removed once the sealant has cured and the remaining gaps are filled with sealant.

Method of Application

Install back-up material or joint filler, apply *Dow Corning 793T silicone glazing sealant* in a continuous operation. A positive pressure through adequate nozzle size to fill the joint in a single pass should be employed. A thin bead of silicone sealant will accommodate more movement than a thick bead. For large joints or where feasible *Dow Corning 793T silicone glazing sealant* should be no thicker than 12mm and no thinner than 6mm with width to depth ratio 2:1.

Tool or strike sealant with light pressure to spread the sealant against the back-up material and the joint surfaces. Tool immediately after sealant application and before a skin forms.

A tool with a concave profile is recommended to keep the *Dow Corning 793T silicone glazing sealant* within the joint. The sealant can be applied at outdoor temperatures as low as -37°C provided that surfaces are clean, dry and frost free.

Do not use soap or oil as a tooling aid. Remove masking as soon as each bead is tooled.

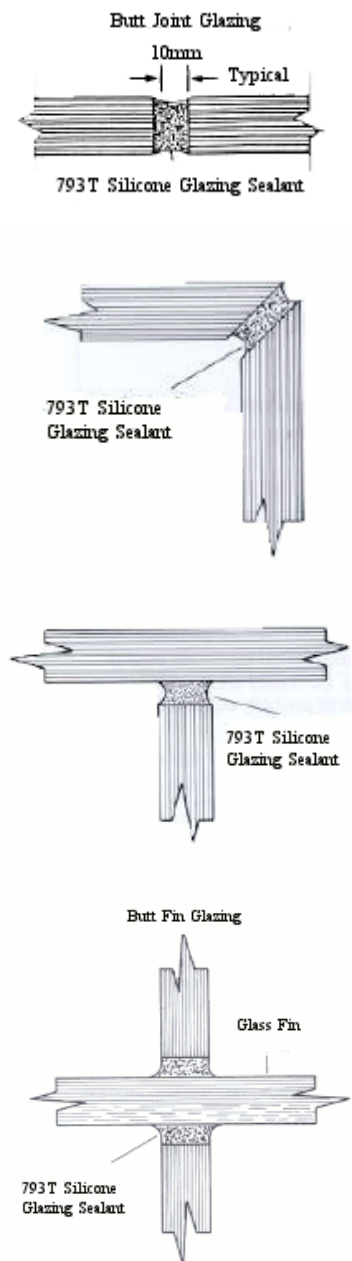
Uncured sealant may be cleaned from tools and non-porous surfaces using commercial solvents such as xylol. On porous surfaces allow excess sealant to cure and then remove it by abrasion or other mechanical means.

For more detailed information on "Use," consult data sheet titled 'DOW CORNING CONSTRUCTION SEALANT APPLICATION AND PRECAUTIONS.'

USES

Dow Corning 793T Silicone Glazing Sealant is designed primarily for use in glass to glass applications. It is particularly effective for glazing butt, butt fin and lap shear joints and it can be used for sealing curtain wall projections and other glass. (See Figure 1).

Figure 1: Sealing Glass with *Dow Corning 793T Silicone Glazing Sealant*.



USABLE LIFE AND STORAGE

When stored at or below 27°C *Dow Corning 793T silicone glazing sealant* has a shelf life of 6 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 INFORMATION

Dow Corning 793T silicone glazing sealant is supplied in 310g (300ml) disposable plastic cartridges.

SHIPPING LIMITATIONS

None.

LIMITATIONS

- **DOW CORNING 793T SILICONE GLAZING SEALANT IS NOT RECOMMENDED FOR USE IN STRUCTURAL GLAZING.**
- *Dow Corning 793T Silicone Glazing 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 vulcanised 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 793T*.

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

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, 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.

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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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