



Technical Data Sheet

DOWSIL™ 3793 Insulating Glass Sealant

One part silicone rubber

Features & Benefits

- Outstanding resistance to UV and moisture
- Good adhesion to a range of glasses (coated and reflective), metals and plastics, including acrylics polyamides, polycarbonate and uPVC
- Neutral curing sealant odorless, non-corrosive
- Good mechanical properties: high tear strength, elongation and tensile strength
- Cured material flexible from 40°C (-40°F) to 150°C (302°F)
- Solvent free
- Cure rate 2 mm depth in 24 hours measured at ambient temperature
- Thixotropic, non-slump, can be dispensed over a wide range of winter and summer conditions
- No mixing or catalyzing, only simple dispensing required
- Short tack free time 50 minutes (measured at ambient temperature)
- Resistant to ozone and temperature extremes

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test ¹	Property	Unit	Result
	Slump or flow	mm	0
ASTM D0412	Tensile strength	MPa	2.85
ASTM D0412	Elongation at break	%	600
ASTM D624	Tear strength	kN/m	19
ASTM D2240	Durometer hardness, Shore A	points	38
	Specific gravity		1.43
	Tack free time	minutes	50
	Extrusion rate (3.2 mm nozzle at 6.3 kg/cm ²)	g/minute	170

1. ASTM: American Society for Testing and Materials.
The data presented have been obtained with unpigmented product.
N.B. Final mechanical properties measured after 7 days curing at 25°C (77°F) and 50% R.H.

Description	DOWSIL™ 3793 Insulating Glass Sealant is a high performance, moisture curing, one part neutral sealant, specifically designed for the insulating glazing industry for the production of hermetically sealed units. DOWSIL 3793 Insulating Glass Sealant exhibits excellent unprimed adhesion to the commonly used materials in the industry including glass, aluminum, galvanized steel, certain plastics and reflective glasses.
Priming	This product features adhesion to a variety of non-porous substrates; however, for specific substrates, priming could be necessary to improve adhesion. Please consult our Primer Selection Guide, or consult our technical service department.
Cure	Neutral alkoxy cures at room temperature on exposure to atmospheric moisture in the air, giving off a small amount of methanol.
Surface Preparation	As with any sealant, all surfaces must be clean and dry. Degrease or remove any contaminants which could impair adhesion using suitable solvents.
Handling Precautions	PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT WWW.CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.
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	This product is available in 180 liter drums.
Limitations	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 has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area. For further information, please see our website, www.consumer.dow.com or consult your local Dow representative.

<http://www.consumer.dow.com>

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