



DEVELOPMENTAL Technical Data Sheet

DOWSIL™ 250 Insulation Glass Sealant

Two-part polysulfide sealant for use as a secondary seal in insulating glass units.

Features & Benefits

- Very good adhesion to glass, aluminum and stainless steel surfaces
Very low gas and water vapor permeability

Composition

- Two component Insulating Glass Sealant based on Polysulfide

Mixing Ratio

- by weight A:B 10 : 0,92
- by volume A:B 10 : 1
 - +/- 20% mixing tolerance (B Comp. only)

Curing time

- 80-100 minutes at 23°Celsius and RH 50%
- curing time changes depending on temperature, consider a decreased curing time with increased temperature/ consider a decrease of curing time with an increased curing time with decreasing temperatures.

Typical Properties

Specification Writers: The tests and values listed below are not intended for use in preparing specifications. Certain tests mentioned below may only be performed during development of the product and may no longer be provided if the product is commercialized.

Test	Property	Unit	Result
	Colors:		
	Component A		ivory
	Component B		Black
	Mixture (A+B):		Anthracite
	Consistency when mixed		Solid compound, non-slump



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Typical Properties (Cont.)

Test ¹	Property	Unit	Result
CTM 0092A	Pot Life 23°Celsius and RH 50%	Min	40-50
DIN 53479	Specific gravity: Component A	g/ml	1.80
	Component B	g/ml	1.62
ISO 1255	Viscosity Component A	Pa*s	1400 – 2000
	Component B		900 - 1400
	Hardness , Mixture (A+B)	Shore A	>40 after 24 h at 23°C, 505 r.h.
	Adhesion on glass		> 10 minutes at 0,3 MPa, 100% Cohesive
	Adhesion on aluminum		> 10 minutes at 0,3 MPa, 100% Cohesive
	Corrosiveness		Non-corrosive
EN1279-4	Gas permeability	g/h/m ²	0.0002
	MVTR (moisture vapor transmission rate) 2.0 mm film	g/m ² /24h	6.3
	Volatile Content	%	< 1

1. CTM: Corporate Test Method
EN: European Norm

Description

DOWSIL™ 250 Insulation Glass Sealant is a Two-part polysulfide sealant for use as a secondary seal in insulating glass units, in commercial and residential applications.

Application Instructions

Surfaces must be dry, clean and free of oil
Mixture should be used within the specific shelf life
Only for Insulating Glass Units applications

Please contact our Technical Services Department for more information.

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Technical Service

Dow offers comprehensive technical service as part of customer support to help ensure the exceptional performance of your insulated glass design. This includes dispensing equipment recommendations, as well as sealant compatibility testing with all your chosen insulated glass unit components. For structural glazing applications, special unit design should be reviewed on a project basis by Dow technical service staff.

Consult Dow Technical Services department for further advice on specific applications:
EHS inquiries: europa.ehs@dow.com
Reach inquiries: reachsupport@dow.com

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 CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life and Storage

When stored between +10°C to +30°C, DOWSIL™ 250 Insulation Glass Sealant is ready to use. DOWSIL™ 250 Insulation Glass Sealant has a shelf life of 9 months from date of production provided it is properly stored in its original packaging.

Packaging Information

DOWSIL™ 250 Insulation Glass Sealant is supplied as follows:
Component A: 190 ltrs in steel drums
Component B: 19 ltrs in steel pails

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, consumer.dow.com or consult your local Dow representative.



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Developmental Product Disclaimer

Dowsil 250 Insulation Glass Sealant is a Dow developmental material. The composition, features, benefits and other properties are subject to change. The future availability of this product is not guaranteed. You are responsible to determine the suitability of the Product for your contemplated use. The Product is provided "AS IS" WITH ALL FAULTS, AND WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

