



DOWSIL™ 3362N Insulating Glass Sealant

A two-part silicone sealant for use as a secondary sealant in insulating glass units

Features & Benefits

- Structural capability as secondary sealant for insulating glass units used in structural glazing.
- High performance meets sealant requirements according to EN1279 parts 4.
- Meets sealant requirements according to ASTM C1184.
- Meets sealant requirements according to GB16776-2005, GB24266-2009.
- Outstanding adhesion to a wide range of substrates including floating, coated, reflective glasses and steel or aluminum spacers.
- Low water absorption.
- Excellent temperature stability: -50°C to 150°C.
- High level of mechanical properties: high modulus.
- Fast curing time.
- Odorless and non-corrosive cure.
- Outstanding resistance to ozone and ultra-violet (UV) radiation.

Applications

DOWSIL™ 3362N Insulating Glass Sealant is intended for use as secondary sealant in a dual sealed insulating glass unit. The high performance features incorporated into this product make it specially suitable for the following applications:

- Insulating glass units for residential and commercial use.
- Insulating glass units with high levels of UV exposure (free edge, green house, etc.).
- Insulating glass units where high heat or humidity may be encountered.
- Insulating glass units in cold climates.
- Insulating glass units incorporating specialty glass types.
- Insulating glass units used in structural glazing.

Typical Properties

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

Test	Property	Unit	Result
	Base: as supplied		
	Color and consistency		Grey
	Specific gravity		1.36
	Viscosity (1S ⁻¹)	Pa.s	400

Typical Properties (Cont.)

Test ¹	Property	Unit	Result
Curing agent: as supplied			
	Color and consistency		Black paste
	Specific gravity		1.05
	Viscosity (1S ⁻¹)	Pa.s	80
Curing agent: as supplied			
	Color and consistency		Clear paste
	Specific gravity		1.00
	Viscosity (1S ⁻¹)	Pa.s	60
As mixed			
	Color and consistency (with black curing agent)		Black non-slump
	Color and consistency (with clear curing agent)		Grey non-slump
	Specific gravity (with black curing agent)		1.33
	Specific gravity (with clear curing agent)		1.32
	Working time (25°C/50% RH)	min	20–60
	Corrosiveness		Non-corrosive
As cured			
GB 13477	Tensile strength	MPa	1.2
GB 13477	Elongation at break	%	140
GB 13477	Hardness (Shore A)		40
EN 1279-4	Water vapor permeability	g/m ² /24h	24.6
DIN 52612	Thermal conductivity	W/(m.k)	0.27

1. GB: National Standard issued by Standardization Administration of The People's Republic of China (SAC).
EN: European Norm.
DIN: Deutsche Industrie Norm.

Description

DOWSIL™ 3362N Insulating Glass Sealant is a two-component neutral curing silicone sealant specifically developed for the manufacture of high performance dual-sealed insulating glass units.

Technical Specifications and Standards

The performance of DOWSIL™ 3362N Sealant has been positively assessed according to European standards for residential and structural insulating glass: EN1279 part 4.

The excellent performance characteristics of DOWSIL™ 3362N Sealant are a result of improved properties including lower water absorption and improved adhesion. The improved stability of DOWSIL™ 3362N Sealant at elevated temperatures, UV and humidity, as well as its higher young modulus, lead to an insulating glass unit with a longer life-time.

DOWSIL™ 3362N Sealant fulfils the requirements of GB16776 – 2005.
DOWSIL™ 3362N Sealant fulfils the requirements of GB24266 – 2009.

DOWSIL™ 3362N Sealant meets the requirement of ASTM C1184-Standard Specification for Structural Silicone Sealant.

Technical Specifications and Standards (Cont.)

DOWSIL™ 3362N Sealant meets the requirement of CNCA-CGP-13:2020 and CTC-TVe-OP03001 three stars, The Implementation Rules for Green Building Materials Product Classification Certification of Building sealants.

DOWSIL™ 3362N Sealant meets the requirement of CNCA-CGP-08:2021 The Implementation Rules for Green Building Materials Product Classification Certification.



How to Use

Mixing and Dispensing Instructions

DOWSIL™ 3362N Sealant should be mixed in a ratio of 10:1 base to curing agent by weight or equivalent 8.1:1 by volume for optimal properties. At this mix ratio, the sealant typically exhibits a snap time of 30 min. Slight variations in mixing ratio can be tolerated, but these should not exceed 11:1 to 9:1 by weight to ensure minimum properties are obtained.

The sealant is compatible with most of DOWSIL™ neutral curing construction sealants. Please contact the technical services department for more information.

To obtain the ultimate physical properties from DOWSIL™ 3362N Sealant it is recommended that the base and curing agent be thoroughly mixed using an airless mixing system found on most existing, commercially available, two-part silicone dispensing machines.

Catalyst Selection

Neutral alkoxy, cures at room temperature giving off a small amount of alcohol.

Equipment Cleaning

When not being used it is recommended that the dispensing equipment be purged either with the uncatalyzed base, or flushed with a suitable solvent such as DOWSIL™ 3522 Concentrated Cleaning Solvent. If cured sealant has built up inside the equipment it is recommended to flush the equipment for the appropriate time with DOWSIL™ 3522 Concentrated Cleaning Solvent. This solvent dissolves cured silicone sealant and provides optimum cleaning performance.

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 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, DOWSIL™ 3362N Sealant Curing Agent has a usable life of 14 months from the date of production.

When stored at or below 30°C, DOWSIL™ 3362N Sealant Base has a usable life of 14 months from the date of production.

Packaging Information

DOWSIL™ 3362N Sealant Curing Agent is available in 20 kg pails.

DOWSIL™ 3362N Sealant Base is available in 250 kg 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, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

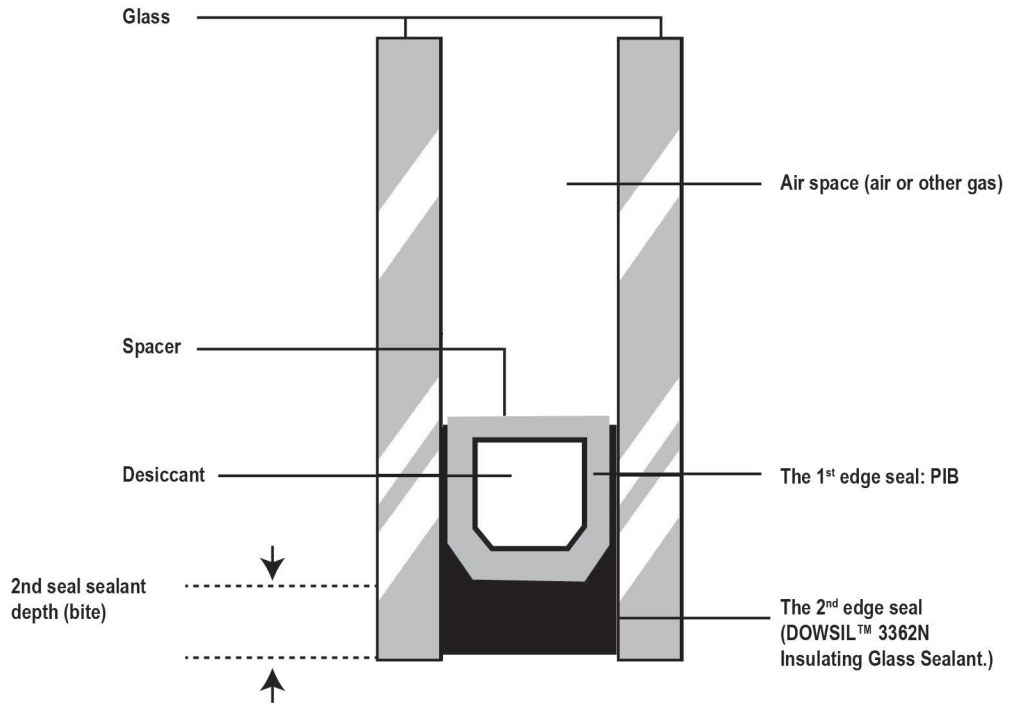


Figure 1: Insulating glass unit sealing

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