

DOWSIL™ 375 Construction & Glass Embedding

For efficiency, aesthetics and durability of glass wall embedding



Features and benefits

- Pure glass aesthetics with invisible bonding
- Rapid strength build-up for enhanced safety
- Excellent flowability for efficient application
- Lightweight container sizes – easy handling
- Efficient and fast application for enhanced productivity
- Optimized rigidity to minimize panel deflection.
- Compatible and warranted system
- Option available to pigment the material in black

The increasing popularity of glass panels for balcony balustrades in modern building designs brings individuality and elegance, allowing natural and artificial light to flow freely and unobstructed views from both the inside and outside the property.

Installation of glass balustrade systems without frames is now even easier and quicker following the introduction of a new pourable, self-levelling, two-component polyurethane from Dow. DOWSIL™ 375 Construction & Glass Embedding has been specifically developed to securely mount and support flat and curved monolithic or laminated glass panels in the U shaped profiles used in these system designs and in other interior and exterior embedding applications. It is easy to mix and install on-site and has a very high cure speed at room temperature to provide safety and rigidity.

Dow recommends the application of fully compatible DOWSIL™ 791 Weatherproofing Sealant over the top surface of the polyurethane once cured, to offer protection from water ingress and UV exposure.



Typical properties of DOWSIL™ 375 Construction & Glass Embedding

Test	Property	Unit	Result
DOWSIL™ 375 Construction & Glass Embedding – Part A – Polyol as supplied			
	Colour		Cream
ASTM ¹ D4889	Viscosity Brookfield, 25°C	mPa.s	17000
ISO ² 2811	Specific gravity, 20°C	g/cm ³	1.61
DOWSIL™ 375 Construction & Glass Embedding – Part B – Hardener as supplied			
	Colour		Brown
ASTM D4889	Viscosity Brookfield, 25°C	mPa.s	160-240
ISO 2811	Specific gravity, 20°C	g/cm ³	1.23
DOWSIL™ 375 Construction & Glass Embedding mixed			
	Colour		Cream, black (with pigment)
	Mixing ratio (weight)		100:19
	Mixing ratio (volume)		100:25
ASTM D4878	Viscosity (mixed) at 23 °C	mPa.s	5000
DOWM 10159	Pot life	min	60
	Curing time at 20°C	hours	7
ISO 868	Shore D hardness		70
ISO 527	Tensile strength	MPa	17
ISO 527	Elongation at break	%	11

¹ ASTM: American Society for Testing and Materials

² ISO: International Standardization Organization

These are typical properties, not to be construed as specifications.

For more information, please refer to the DOWSIL™ 375 Construction Glass & Embedding technical datasheet and technical manual.

Approvals

Balustrade assemblies made with DOWSIL™ 375 Construction & Glass Embedding have passed pendulum tests according to DIN 18008-4 at an independent test institute.

Available packaging


DOWSIL™ 375 Construction & Glass Embedding is a two-component system.

Part A polyol 16kg

Part B hardener 3kg

The components can be easily mixed to create a homogenous color in the Part A pail packaging using a drill equipped with a mixing paddle.

DOWSIL™

technologies by 

For more information

Learn more about Dow's full range of High Performance Building solutions by visiting us online at [dow.com/buildingscience](https://www.dow.com/buildingscience).

Dow has sales offices, manufacturing sites and science and technology laboratories around the globe. Find local contact information at [dow.com/contactus](https://www.dow.com/contactus).



Dow Building Science website:
[dow.com/buildingscience](https://www.dow.com/buildingscience)



Contact Dow Building Science:
[dow.com/customersupport](https://www.dow.com/customersupport)



Visit us on X
[@DowBScience](https://twitter.com/DowBScience)



Visit us on LinkedIn
[Dow Building Science](https://www.linkedin.com/company/dow-building-science)

Image: AdobeStock_267989493, AdobeStock_291304936, AdobeStock_195489759

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.DOW.COM](https://www.dow.com), OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

NOTICE: No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries. Dow assumes no obligation or liability for the information in this document. References to "Dow" or the "Company" mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

®™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

© 2025 The Dow Chemical Company. All rights reserved.

2000024823-170250

Form No. 62-2173-01-0525 S2D