



DOWSIL™ 300 Adhesive

One-part, elastic SMP adhesive for DOWSIL™ Membrane installation.

Features & Benefits

- Good adhesion to most building materials like brick, stone, concrete, aerated concrete, mortar, plaster, metal, powder coated metal, PVC, painted and unpainted wood.
- Excellent durable adhesion performance under wet conditions¹
- High green strength
- Neutral curing, odorless
- Compliant to EN ISO 11600– F – 25 HM
- Isocyanate-free

¹The substrate must be clean, tight and dry prior to the application of the adhesive

Composition

- Silane Modified Polymer (SMP)

Applications

- DOWSIL™ 300 Adhesive is used for bonding of DOWSIL™ Membrane Dual and DOWSIL™ Membrane Outside 0.6 for window installation, ventilated façade and curtain wall installation.

Typical Properties

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

Property	Unit	Result
Appearance		Black paste
Application Temperature	°C	+5 to +40
Service Temperature	°C	-40 to +120
Skin Over Time at 23°C / 50% RH	minutes	20
Working Time at 23°C / 50% RH	minutes	10
Cure Rate at 23°C / 50% RH	mm/24h	2
Elongation at Break	%	250
Durometer Hardness, Shore A		55
Green Strength, Immediately After Application	Pa	200
Strength, One Hour After Application	Pa	1000

Description

DOWSIL™ 300 Adhesive must be applied to clean, tight, dry, frost- and dust-free substrates. Field adhesion testing should be done to determine if primer is required for proper adhesion of DOWSIL™ 300 Adhesive to various substrates. Nonporous surfaces should be cleaned using the two-cloth solvent wipe as outlined in our DOWSIL™ Membrane Application Guide (e.g. mainly shop site pre-installation of membranes). At building site porous surfaces should be cleaned with abrasion cleaning (brush) ideally followed by blasts of oil-free compressed air. Exterior surfaces must be visibly dry before applying DOWSIL™ 300 Adhesive. When the use of primer is recommended apply the appropriate primer such as DOWSIL™ Primer P for rough and porous substrates (such as plaster, mortar, aerated concrete, etc.) respectively DOWSIL™ 1200 OS Primer for nonporous and smooth surfaces (such as metal, plastic, lacquer, etc.). No need to use Primer on the DOWSIL™ Membrane surface.

Technical Specifications and Standards

Regulation or protocol	Conclusion	Version of regulation or protocol
French VOC régulations	A+	Regulation of March and May 2011 (DEVL1101903D and DEVL1104875A)
French CMR components	Pass	Regulation of April and May 2009 (DEVP0908633A and DEVP0910046A)
AgBB/ABG	Pass	Anforderungen an bauliche Anlagen bezoglich des Gesundheitsschutzes (ABG), Entwurf 31.08.2017/August 2018 (AgBB)
Belgian Regulation	Pass	Royal decree of May 2014 (C-2014/24239)
EMICODE	EC1 Plus	April 2019
Indoor Air Comfort	Pass	Indoor Air Comfort 6.0 of February 2017
Indoor Air Comfort GOLD	Pass	Indoor Air Comfort GOLD 6.0 of February 2017
BREEAM International	Exemplary lvl	BREEAM International New Construction v2.0 (2016)
BREEAM Norway	Pass	BREEAM-NOR New Construction v1.2 (2019)
CDPH	Pass	
M1	Pass	

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

12 months in original unopened packaging stored in a cool, dry place out of direct sunlight.

Packaging Information

DOWSIL™ 300 Adhesive is provided in 600 ml sausages (20 sausages in a carton).

Limitations

Avoid use in contact with bituminous materials or substrates that release oil or plasticizer.

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.

dow.com

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