



Technical Data Sheet

DOWSIL™ Membrane Outside 0.6

High performance EPDM membrane for use as water vapor control layer according to EN 13984

Features & Benefits

- Water vapor diffusion open due to its micro-perforation
- Very good mechanical properties
- Flexible and tear resistant
- Excellent movement capability, thus able to sustain thermal and structural movements of the building
- Resistant to UV light, temperature extremes, chemical pollutants, and moisture
- Available in different widths to enable quick and easy installation
- High quality due to use of EPDM raw materials from Dow

Composition

- EPDM rubber

Applications

Outdoor¹:

- Window installation
- Ventilated facades
- Curtain wall installation

¹If an internal and external membrane is required both membranes should at least have the same water vapor diffusion equivalent air layer thickness (s_d value), ideally the inner membrane shall have a higher s_d value, e.g. DOWSIL™ Membrane Dual to facilitate drying out of entrapped moisture.

Typical Properties

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

Test	Property	Unit	DOWSIL™ Membrane Outside 0.6
	Appearance		Opaque, black, flexible membrane
EN ¹ 1848-2	Dimensions		
EN 1849-2	Thickness	mm	0.6
	Length	m	25
	Width	mm	100, 150, 200, 250, 300, 350, 1400
	Straightness		Passed
	Water vapor resistance		15,000
EN 13501-1	Fire resistance		Class E

1. EN: European Norm

Typical Properties (Cont.)

Test	Property	Unit	DOWSIL™ Membrane Outside 0.6
EN 123111-2	Tensile strength	MPa	≥ 2
EN 12311-2	Elongation at break	%	≥ 150
EN 1849-2 / ISO 2781	Density	g/cm ³	1.38
ISO ² 7619	Shore A Hardness		68
EN 13984	Nail tear strength	N	≥ 15

2. ISO: International Standardization Organization

Description

DOWSIL™ Membrane Outside 0.6 is an EPDM membrane available in a wide choice of widths that is bonded to substrates using DOWSIL™ Adhesive 300.

DOWSIL™ Membrane Outside 0.6 provides weather and airtight seal for fenestration application and can also be used to seal across adjacent building elements. Due to its micro-perforation the membrane is water vapor diffusion open.

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

Can be stored between 5°C and 30°C for 48 months in a dry place, protected from direct sunlight.

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.

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