

DAFA ExFoil™ vapor barrier

DAFA ExFoil vapor barrier foil is part of the DAFA AirStop System and is an extra-strong vapor barrier with reinforcing mesh, built in a multilayer construction that makes it extremely tear- and tensile-resistant.



Warranty.

DAFA offers a function and product warranty for 10 years on all products associated with DAFA AirStop System.

Application

Used in ceilings and wall structures. When you choose DAFA ExFoil together with the other products in the DAFA AirStop System, you are ensured a thoroughly tested and durable system tailored to the interior building envelope.

The material

The multilayer construction with reinforcement mesh ensures an extremely tensile and tear-resistant vapor barrier film. The film must not be exposed to direct contact with wood preservatives containing solvents.

Advantages

- Far more workable than a standard PE vapor barrier
- With the reinforcement mesh, DAFA ExFoil is far stronger than a PE vapor barrier
- Greater safety during installation
- Nail-proof and has high tensile and tear strength
- Can be taped without a solid substrate*
- Product information is declared to Nordic Ecolabelling for New Buildings in accordance with generation 3 and 4. The product is not certified with the Nordic Swan Ecolabel



Using DAFA ExFoil as a vapor barrier in building components and structures at risk of construction moisture ensures effective protection against mold, fungus, and rot.

Overview

Dimensions	DAFA no.	EAN number
2.15 m x 46.5 m	620035141	5705636464824
2.70 m x 37 m	620038158	5705636479354

LCA calculation

Product	Unit	GWP total (A1-A3)
DAFA ExFoil vapor barrier	kg CO ₂ eq./m ²	0,446

Technical specifications

Material		
1st layer	Functional foil	Polyethylene
2nd layer	Reinforcement mesh	Polypropylene
3rd layer	Nonwoven	Polypropylene
Roll width	2.15 m / 2.70 m	
Weight	140 g/m ²	
Vapor tightness in sd-value / Z-value	20 m (-4/+6) / 114 GPa s m ² /kg	
Fire class	E	
Color	White transparent	
Tensile strength (longitudinal/transverse)	>325 / >250 N/50 mm	
Tear strength (longitudinal/transverse)	>200 / >200 N/50 mm	
Elongation at break (longitudinal/transverse)	>10 % / >10 %	



Download the EPD for DAFA ExFoil here:
www.dafa-build.com/en/epd
or scan the QR code



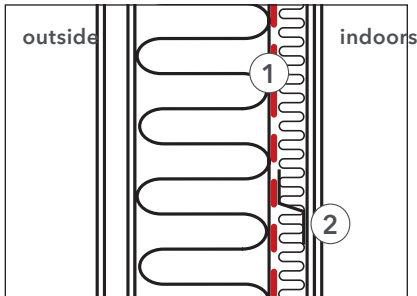
Quality assurance

DAFA ExFoil is CE-marked in accordance with EU standard EN 13984

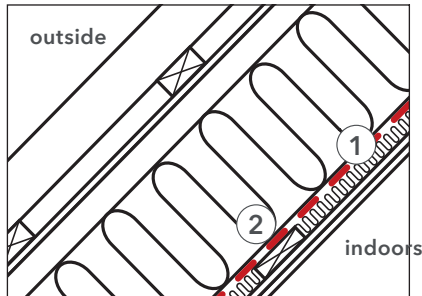
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Execution

The vapor barrier may be placed at most 1/3 into the total thermal insulation layer measured from the warmest side of the insulation layer. The substructure for ceiling cladding can be mounted on the outside of the vapor barrier in a dimension so that electrical installations and the like can be routed without too many penetrations.



Typical solution – Lightweight steel exterior wall.
1. DAFA ExFoil is attached with double-sided tape to a steel substrate.
2. If necessary, Z-profiles are installed with space for electrical, etc.



Standard solution – Sloped wall in a wood roof structure.
1. DAFA ExFoil is fastened with staples to a wood substrate.
2. If necessary, batts are installed with space for electrical, etc.

Design

When designing non-traditional and alternative structures, an assessment of moisture conditions and the structure should always be carried out to choose the right vapor barrier solution.

Tightness

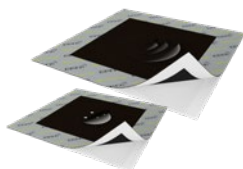
DAFA ExFoil is a vapor-tight vapor barrier. With an sd-value of 20 m, the membrane is vapor-tight.

The conversion factor from Sd value to z value is approx. 5.7.



DAFA ExFoil is installed with an overlap of min. 100 mm and can be taped e.g. with DAFA Hi-tack® vapor barrier tape. The new DAFA Zero Waste tape can also be used.

A selection of accessories that fit DAFA ExFoil



DAFA Hi-tack® universal pipe and cable collar



DAFA Zero Waste® tape



DAFA foil adhesive



DAFA ExFoil reveal foil



DAFA ExFoil remfolie

Use the complete DAFA AirStop System for secure sealing of critical penetrations and building component transitions. See also www.dafa-build.com/en/airstop