DAFA AirStop System®

DAFA ExFoil™ vapor barrier

DAFA ExFoil vapor barrier foil is part of the DAFA AirStop System. It is an extra strong foil with mesh reinforcement and a multilayer structure, making it extraordinarily stretch and tear-resistant.

DAFA 10 Year Function and Product Warranty

Warranty.

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

Application

Use in the ceiling and wall structures. When you choose DAFA ExFoil with the other products in the DAFA AirStop System, you are guaranteed a proven and durable system matched to the building envelope.

Material

The multilayer structure with mesh reinforcement ensures an extremely stretch and tear-resistant vapor barrier foil. The foil must not be exposed to direct contact with wood preservatives with added solvents.

Advantages

- DAFA ExFoil is far more construction-friendly than a standard PE vapor barrier, making installation easier.
- DAFA ExFoil is much stronger with reinforcing mesh than a PE vapor barrier.
- Better safety during installation.
- It can be nailed and has high tensile and tear strength.
- Can be taped without a solid surface underneath*
- DAFA ExFoil is listed in the database for building products used in Nordic Swan Ecolabelled buildings.

NEW

epd

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

Overview

Dimension	DAFA no.	EAN no.
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)	GWP-total (The whole system)
DAFA ExFoil vapor barrier	kg CO2 eq./m²	0,446	0,561

Tecnical specifications

Material		
Layer 1	Functional foil	Polyethylene
Layer 2	Reinforcement mesh	Polypropylene
Layer 3	Non-woven	Polypropylene
Roll width	2,15 m / 2,70 m	
Weigth	140 g/m²	
Vapor diffusion resistance, sd-value/z-value	20 m (-4/+6) / 114 GPa s m²/kg	
Fire classification	E	
Color	Transparent white	
Tensile strength (lengthwise/cross-wise)	>325 / >250 N/50 mm	
Tear strength (lengthwise/crosswise)	>200 / >200 N/50 mm	
Elongation at break (lengthwise/ crosswise)	>10 % / >10 %	

**For a detailed installation guide of DAFA ExFoil visit www.dafa-build.com*

DAFA

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Installation

The vapor barrier must be placed no more than one third of the way into the total heat insulation layer, measured from the warmer side of the insulation layer. The sub-surface for ceiling cladding can be installed over the vapor barrier, leaving enough space to allow electrical installations etc. to be carried out without too many perforations.

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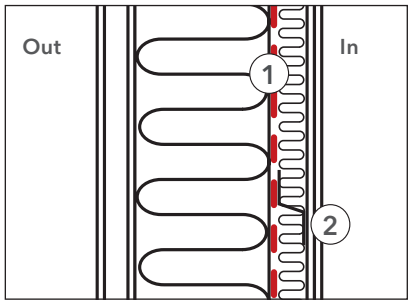
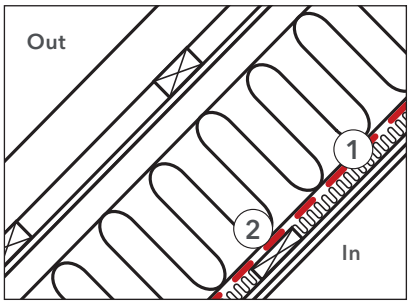


Example solution – light steel outer wall.
1. *Attach the DAFA ExFoil to the steel surface using double-sided tape.*
2. *Z-profiles can be mounted to leave room for electricity installations etc.*



Example solution – sloping wall in wooden roof structure.
1. *Staple the DAFA ExFoil to the wooden surface.*
2. *Lath if desired to leave room for electricity installations etc.*

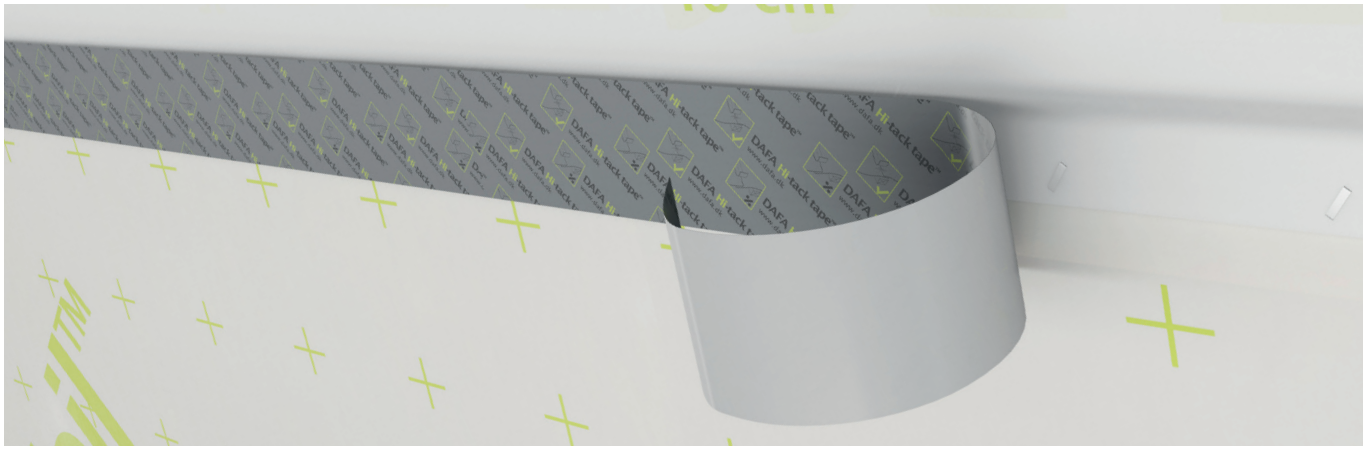
Planning

When planning untraditional and alternative structures, the moisture conditions and structure should always be assessed, so the right vapor barrier solution can be chosen.

Sealing

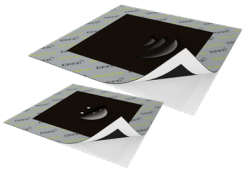
DAFA ExFoil is a sealing vapor barrier. With an sd-value 20 m, the foil is sealed.

The sd-value's conversion factor to z-value is approx. 5.7.



Attach DAFA ExFoil with an overlap of at least 100 mm and tape using DAFA Hi-tack® vapor barrier tape.

Selection of accessories for use with DAFA ExFoil



DAFA Hi-tack® universal pipe- and cablecollar

DAFA Hi-tack® vapor barrier tape

DAFA foil adhesive

Use the complete DAFA AirStop System to ensure that critical perforations and building element transitions are sealed.

06/2023