

DAFA EcoFoil™ vapour barrier

DAFA EcoFoil vapour barrier is a part of DAFA AirStop System and is an environmentally friendly 100 % regenerated CE-marked PE foil with a thickness of 0.20 mm. DAFA EcoFoil is impermeable, ensuring that no moisture will migrate out into the structure.



Warranty.

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

Application

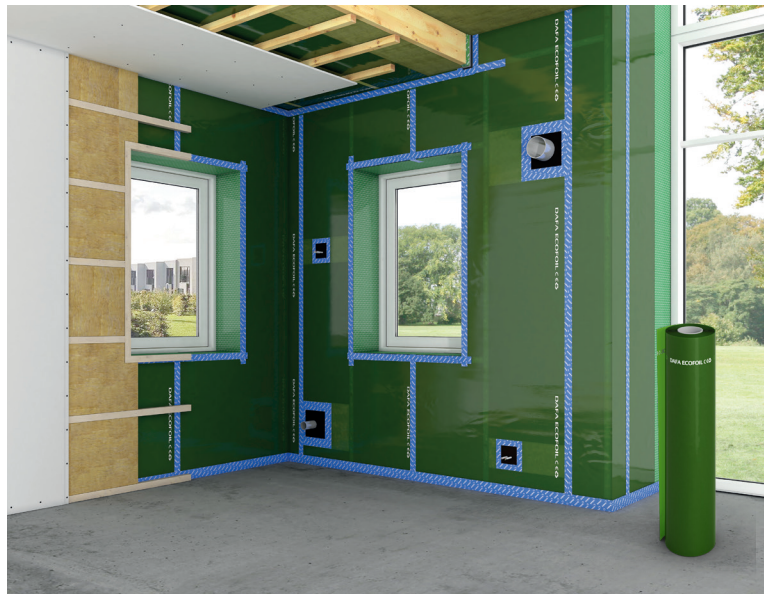
DAFA EcoFoil is used in ceiling, wall and floor structures which require vapour barriers. The foil is used in buildings which are only heated and inhabited periodically.

The material

DAFA EcoFoil is a 100 % regenerated CE-marked polyethylene (PE) rolled product. The foil has high tensile and tearing strength, despite its thickness of just 0.20 mm. The material can tolerate direct sunlight for a maximum of three months, and must not be exposed to direct contact with solvent-based wood preservatives.

Transportation, delivery and storage

Rolled in a tube made from recycled cardboard, tightly packed in PE foil. Transported and stored horizontally on a Europallet. Stored protected against the weather and direct sunlight. Must only be stacked to a height of two pallets.



Using DAFA EcoFoil vapour barrier in building elements and structures effectively ensures against moisture migrating out into the structure.

Advantage

DAFA EcoFoil is listed in the database for building products that can be used in Nordic Swan Ecolabelled buildings.

NEW



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



Quality assurance

DAFA EcoFoil is CE-marked according to EU standard PN-EN 13984

Technical specifications

Length	50m 46,5m 25m 24,10m
Width	2m 2,15m 4m 4.15m
Thickness	0,20 mm
Roll width	1 m
Vapour tightness in sd-value	≥ 95m
Fire classification	F
Color	Grøn
DAFA no.	2x50m - 620014175 2,15x46,5m - 620027184 4x25m - 620022022 4,15x24,10 - 620027186
EAN no.	2x50m - 5705636342245 2,15x46,5m - 5705636426457 4x25m - 5705636394695 4,15x24,10 - 5705636426464

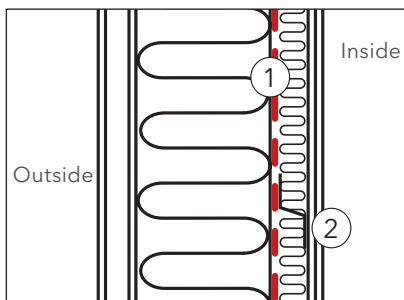
LCA calculation

Product	Unit	GWP-total (A1-A3)	GWP-total (The whole system)
DAFA EcoFoil	kg CO2 eq./m²	0,305	0,430

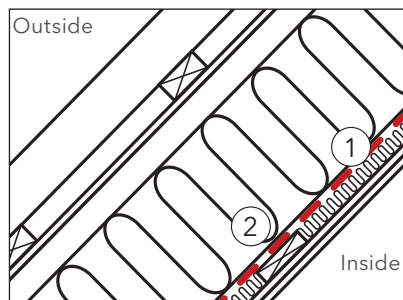
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Installation

The vapour barrier must be placed no more than one-third of the way inside the total thermal insulation layer, measured from the warmest side of the insulation layer. The substrate for the ceiling cladding can be installed outside the vapour barrier with suitable dimensions to enable electrical installation etc. to be carried out without too many conduits.



General principle - Lightweight exterior steel wall.
1. DAFA EcoFoil is attached to the surface of the steel using double-sided adhesive tape.
2. If necessary, Z profiles can be fitted with provision for electrical installations, etc.



General principle - Sloping wall in wooden roof structure.
1. DAFA EcoFoil can be stapled to the wooden substrate.
2. If necessary, boarding can be installed with provision for electrical installations, etc.

Project planning

In the design of innovative and alternative structures, an assessment of the moisture conditions and structure must always be carried out in order to identify the correct vapour barrier solution.

Seal tightness

DAFA EcoFoil is a type of impermeable vapour barrier. With an Sd value of ≥ 95 m, the foil is tight.

The Sd value's conversion factor to Z value is approximately 5.7.

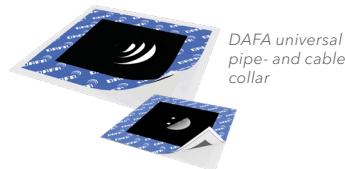


Mount the vapour barrier foil with overlaps and tape with DAFA vapour barrier tape.

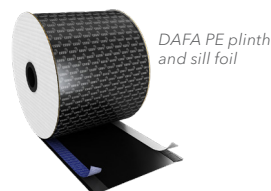
A selection of products in DAFA AirStop System



DAFA internal and external corner



DAFA universal pipe- and cable collar



DAFA PE plinth and sill foil



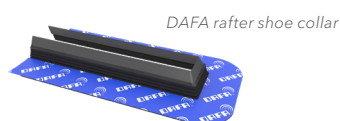
DAFA vapour barrier tape



DAFA double-sided adhesive vapour barrier tape



DAFA foil adhesive



DAFA rafter shoe collar



DAFA PE lining foil

06/2023

