

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 that require vapor barriers. The foil is used in buildings that 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 and tightly packed in PE foil, it is transported and stored horizontally on a Europallet, protected against the weather and direct sunlight. It can only be stacked to a height of two pallets.

Advantage

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



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

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 | 100 m 50 m 46.5 m 25 m 24.1 m |
| Width | 0,5 m 2 m 2.15 m 4 m 4.15 m |
| Thickness | 0,20 mm |
| Roll width | 0,5 m 1 m |
| Vapour tightness in sd-value | ≥ 95 m |
| Fire classification | F |
| Color | Grøn |
| DAFA no. | 2 x 50 m - 620014175 2.15 x 46.5 m - 620027184 4 x 25 m - 620022022 4.15 x 24.1 m - 620027186 500 mm x 100 m - 620048197 |
| EAN no. | 2 x 50 m - 5705636342245 2.15 x 46.5 m - 5705636426457 4 x 25 m - 5705636394695 4.15 x 24.1 m - 5705636426464 500 mm x 100 m - 5705636271026 |

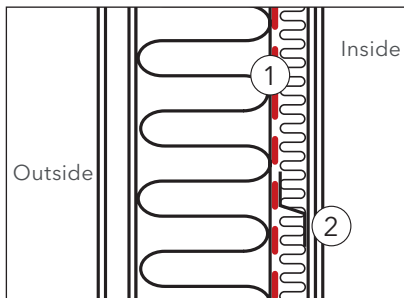
LCA calculation

| Product | Unit | GWP-total (A1-A3) |
|--------------|---------------------------|-------------------|
| DAFA EcoFoil | kg CO2 eq./m ² | 0,305 |

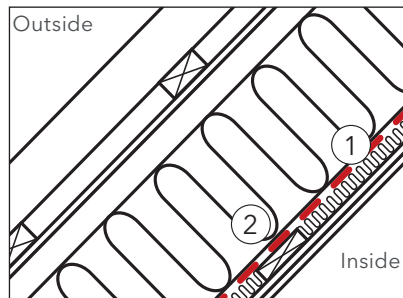
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Installation

The vapor 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 vapor barrier with suitable dimensions to enable electrical installation, etc., and can 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 designing innovative and alternative structures, the moisture conditions and structure must always be assessed to identify the correct vapor barrier solution.

Seal tightness

DAFA EcoFoil is a type of impermeable vapor 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.

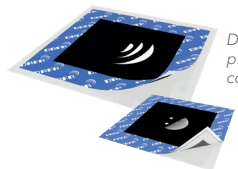


Mount the vapour barrier foil with overlaps and tape with DAFA vapour barrier tape.

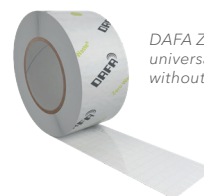
A selection of products in DAFA AirStop System



DAFA internal and external corner



DAFA universal pipe- and cable collar



DAFA Zero Waste universal tape without liner



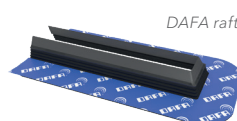
DAFA vapour barrier tape



DAFA double-sided adhesive vapour barrier tape



DAFA foil adhesive



DAFA rafter shoe collar



DAFA PE lining foil

05/2024

