



# DAFA AirStop System®

– for all vapor barrier solutions

Vapor barrier

Moisture-adaptive vapor barrier

Vapor barrier

System accessories

NEW



Download EPDs for DAFAs vapor barriers here:  
[www.dafa-build.com/en/epd](http://www.dafa-build.com/en/epd)  
or scan the QR code



DAFA AirStop System®

# - a complete range of products for sealing solutions

Vapor barrier

PE foils

**DAFA ProFoil™**

**DAFA EcoFoil™**



See pages 4-5 for more information.

Performance foil

**DAFA ExFoil™**



See pages 6-7 for more information.



DAFA AirStop System products are covered by DAFA's attractive 10-year functional and product warranty. Read more on page 15.



## Moisture-adaptive vapor barrier

Intelligent foil

**DAFA HiFoil™**



See pages 8-9 for more information.

## Vapor barrier

Vapor-permeable foil

**DAFA DiFoil™**



See pages 10-11 for more information.



# Vapor barrier – PE foils

Foils for all professional vapor barrier applications



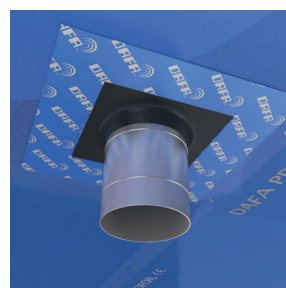
- ① DAFA vapor barrier foils
- ② DAFA vapor barrier tape
- ③ DAFA universal pipe collar
- ④ DAFA universal cable collar
- ⑤ DAFA outside corner
- ⑥ DAFA inside corner
- ⑦ DAFA rafter shoe collar
- ⑧ DAFA Duo Foil lining foil
- ⑨ DAFA PE lining foil
- ⑩ DAFA foil adhesive
- ⑪ DAFA Multi Sealing™

There are two strong PE foils – DAFA ProFoil and DAFA EcoFoil. They are all part of the AirStop system, together with the extensive range of accessories. A product series that supports sustainable construction and reduces energy consumption, to the benefit of the environment.

Regardless of which vapor barrier foil is used, the rest of the AirStop system is designed to be used with it. The system offers peace of mind and high quality construction results, when used in line with DAFA's instructions.



Window frames are easily handled using DAFA lining foil.



DAFA universal pipe collar fits round and rectangular pipes, and ensures an airtight seal around conduits through the vapor barrier.



DAFA foil adhesive is used to create a sealed bond between the vapor barrier foil and surfaces such as render, concrete or untreated wood.



DAFA vapor barrier tape is renowned for its user-friendly properties and its strength and durability.

See the range of accessories on pages 12-13.



# Technical specifications

## DAFA ProFoil™

DAFA ProFoil vapor barrier foil for professional building applications where high breaking strength during construction is critical. DAFA ProFoil is a CE marked, 100% polyethylene (PE) material. The foil's multilayer structure gives it high tensile and tear strength, despite only being 0.20 mm thick. The foil is used in ceiling, wall and floor structures.

Section width	Section length	Thickness
2 m	50 m	0,20 mm
2,15 m	46,5 m	0,20 mm
2,6 m	15 m	0,20 mm
3 m	33,3 m	0,20 mm
4 m	25 m	0,20 mm
4,15 m	24,10 m	0,20 mm
6 m	25 m	0,20 mm
Roll width	1 m	
S <sub>d</sub> value	≥95 m	
Z value	>514 GPa s m <sup>2</sup> /kg	
Fire classification	F	
Color	Blue	
GWP-total (A1-A3)	0,690 CO2 eq./m <sup>2</sup>	

## DAFA EcoFoil™

DAFA EcoFoil vapor barrier foil for professional construction is an environmentally friendly, 100% regenerated, CE marked PE vapor barrier foil. The foil is closed to diffusion, thus ensuring that vapor does not migrate into the structure. DAFA EcoFoil has high tensile and tear strength. The foil is used in ceiling and wall structures.

Section width	Section length	Thickness
2 m	50 m	0.20 mm
2.15 m	46.5 m	0.20 mm
4 m	25 m	0.20 mm
4.15 m	24.10 m	0.20 mm
Roll width	1 m	
S <sub>d</sub> value	≥95 m	
Z value	>514 GPa s m <sup>2</sup> /kg	
Fire classification	E	
Color	Green	
GWP-total (A1-A3)	0,308 CO2 eq./m <sup>2</sup>	





# DAFA ExFoil™ vapor barrier

A new strong foil with reinforcing mesh. Far more construction-friendly than a standard PE vapor barrier, for easier installation with improved results.



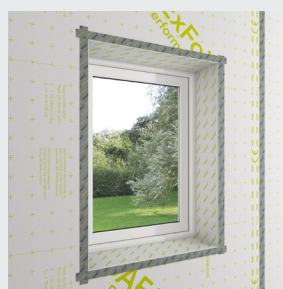
- 1 DAFA vapor barrier foils
- 2 DAFA Hi-tack® vapor barrier tape
- 3 DAFA Hi-tack® pipe collar
- 4 DAFA Hi-tack® cable collar
- 5 DAFA outside corner
- 6 DAFA inside corner
- 7 DAFA rafter shoe collar
- 8 DAFA Duo Foil lining foil
- 9 DAFA ExFoil lining foil
- 10 DAFA foil adhesive
- 11 DAFA Multi Sealing™

See the range of accessories on pages 12-13.

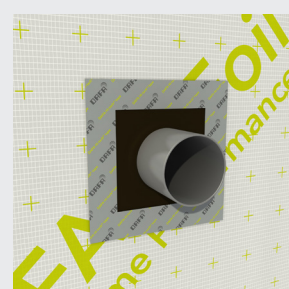
## The next generation of vapour barriers!

DAFA ExFoil, the performance foil, is part of the AirStop system, together with an extensive range of accessories. A product series that supports sustainable construction and reduces energy consumption, to the benefit of the environment.

Regardless of which vapor barrier foil is used, the rest of the AirStop system is designed to be used with it. The system offers peace of mind and high quality construction results, when used in line with DAFA's instructions.



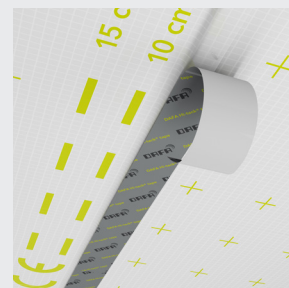
DAFA ExFoil Lining foil makes it quick and easy to edge apertures with an airtight seal.



When the vapor barrier is penetrated by round or rectangular pipes, the DAFA Hi-tack® pipe collar ensures a seal that will last for many years.



DAFA foil adhesive creates an airtight bond between the vapor barrier foil and surfaces such as render, concrete or untreated wood.



DAFA Hi-tack® tape is extra strong, ensuring airtight joins and hence lasting vapor barrier solutions.



# Carrier – performance foil

## DAFA ExFoil™

DAFA ExFoil vapor barrier foil is an extra strong PE foil with mesh reinforcement and a multilayer structure which makes it extremely stretch and tear-resistant.

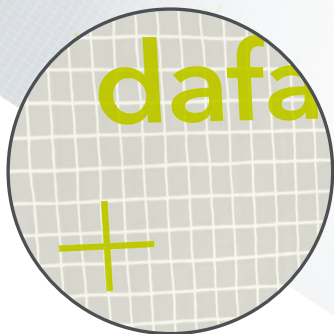
DAFA ExFoil vapor barrier foil is used as a vapor and moisture barrier in building structures.

DAFA ExFoil has the following advantages:

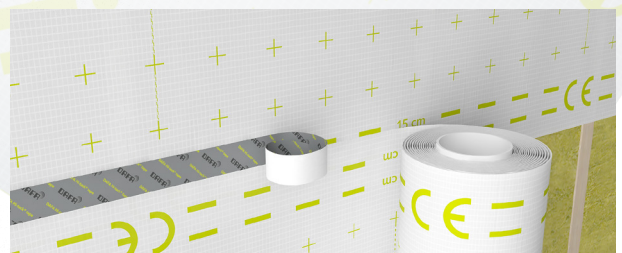
- It is far more construction-friendly than a standard PE vapor barrier, making installation easier
- With reinforcing mesh, DAFA ExFoil is much stronger than a PE vapor barrier
- Better safety during installation
- Can be nailed, and has high tear strength
- Can be taped without a solid surface underneath\*

## Technical specifications

Roll length	46.50 m / 37 m
Section width	2.15 m / 2.70 m
Roll width	2.15 m / 2.70 m
Fire classification	E
S <sub>d</sub> value	20 m (-4/+6)
Z value	114 GPa s m <sup>2</sup> /kg
Color	White
GWP-total (A1-A3)	0,446 kg CO <sub>2</sub> eq./m <sup>2</sup>



Reinforcing mesh.  
DAFA ExFoil is made  
of a triple layer foil with  
reinforcing mesh.



DAFA ExFoil consists of polyethylene (PE) material with reinforcing mesh in the middle and a moisture-absorbing polypropylene (PP) fleece layer. The material can withstand direct sunlight for up to three months, and must not be exposed to direct contact with wood preservative with added solvents.

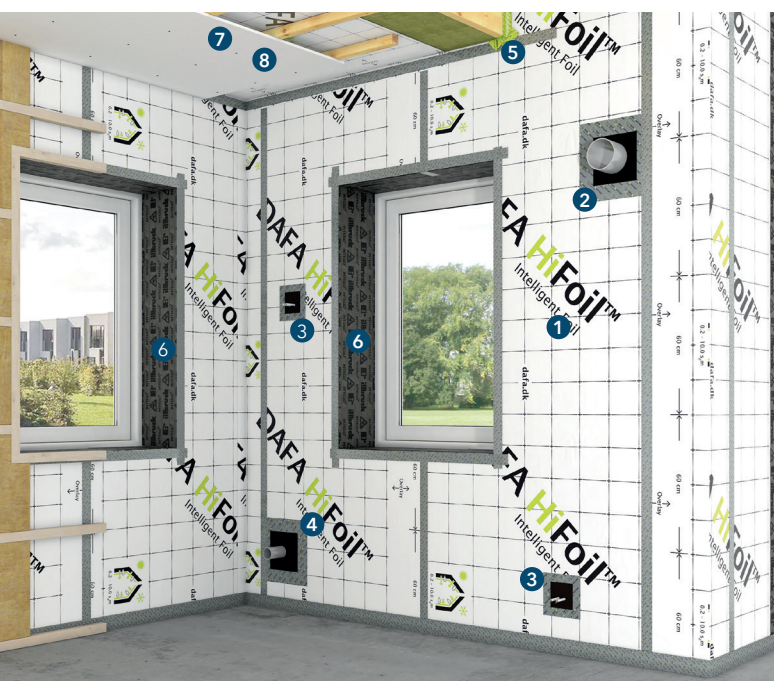


\* See the DAFA installation instructions



# DAFA HiFoil™ – moisture

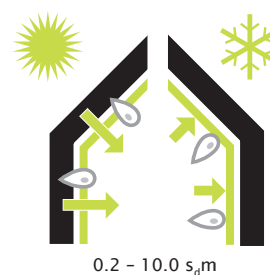
Intelligent vapor barrier system



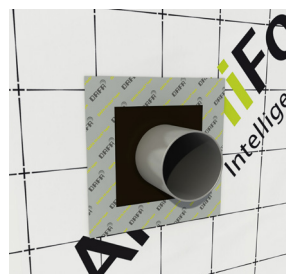
DAFA HiFoil is an intelligent, moisture-adaptive vapor barrier that adapts to the humidity conditions. If moisture builds up on the outer side of the vapor barrier, DAFA HiFoil wicks the moisture to the inner side, where it is dissipated via the building's ventilation system. DAFA HiFoil is used for applications such as:

- Holiday homes
- Exterior home renovation
- For homes in moisture load class 1 & 2
- Roof elements/cassettes - modules

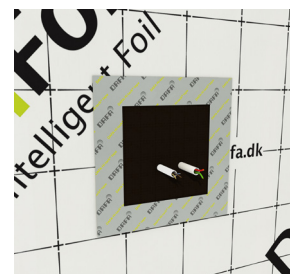
The high quality vapor barrier has properties that allow it to transfer moisture, so that your building can breathe.



- 1 DAFA HiFoil™
- 2 DAFA Hi-tack® pipe collar
- 3 DAFA Hi-tack® cable collar
- 4 DAFA Hi-tack® tape
- 5 DAFA foil adhesive
- 6 DAFA Duo Foil lining foil
- 7 DAFA IsoBatt™
- 8 DAFA edge protection profiles



Special accessories are available for demanding and unusual vapor barrier applications. DAFA Hi-tack® pipe collar fits round and rectangular pipes, and ensures an airtight seal for many, many years.



The DAFA Hi-tack® cable collar is the ideal solution for cable conduits and air outlets through the moisture-adaptive vapor barrier, that ensures an airtight result.

See the range of accessories on pages 12-13.



DAFA foil adhesive creates an airtight bond between the moisture-adaptive vapor barrier and surfaces such as render, concrete or untreated wood.



DAFA Hi-tack® tape is extremely strong. This ensures airtight joints and hence lasting, moisture-adaptive vapor barrier solutions.

# -adaptive vapor barrier

## Technical specifications

DAFA HiFoil can be used in compact structures, where a connection is required between foils and insulation materials. DAFA HiFoil adapts to the current humidity using variable water vapor diffusion resistance.

This results in a drying or vapor diffusion retarding function. Under special conditions, DAFA HiFoil can be used in unventilated structures. In these cases, the given building must be assessed in relation to moisture.

The product consists of polyethylene (PE) material with a moisture-absorbing polypropylene (PP) fleece layer. The vapor barrier is strong and stable, and results in an airtight and moisture-proof structure when installed correctly.

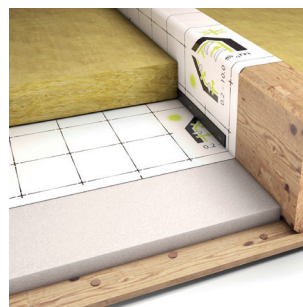
Section width	1.5 m
Section length	50 m
Roll width	1.5 m
$S_d$ value	0.2-10 m
Z value	1,14 - 57 GPa s m <sup>2</sup> /kg
Fire classification	E
Color	White
GWP-total (A1-A3)	1,160 kg CO <sub>2</sub> eq./m <sup>2</sup>



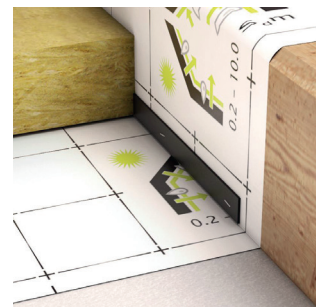
## Exterior roof renovation

Using DAFA HiFoil, you can establish the vapor barrier from above when renovating a roof. This avoids having to change the ceilings. Remove the existing insulation and any non-airtight vapor barrier and lay DAFA IsoBatts to protect the DAFA HiFoil from projecting nails and screws.

Lay the DAFA HiFoil flat against the DAFA IsoBatts and over the existing rafters. Affix the foil to the rafters using DAFA edge protection profiles. Tape all joints to achieve a sealed solution. Then place the new insulation between the rafters. The result is a new airtight vapor barrier and a new roof without major additional costs.



DAFA IsoBatt is a flexible PE foam to place between the underlying structure and the HiFoil foil when installing from above.



DAFA edge protection profiles make your job easier, because they affix the foil to structural members such as rafters etc.



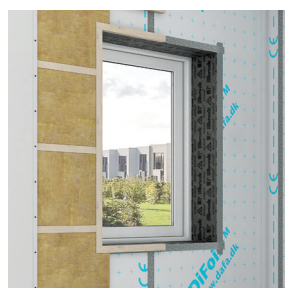
# DAFA DiFoil™ – vapor barrier

Effective prevention against rot, dry rot and mold growth

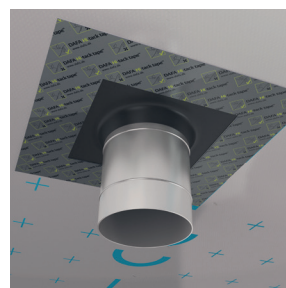


DAFA DiFoil is a vapor barrier which is part of the AirStop system, together with an extensive range of accessories. A product series that supports sustainable construction and reduces energy consumption, to the benefit of the environment.

Regardless of which vapor barrier foil is used, the rest of the AirStop system is designed to be used with it. The system offers peace of mind and high quality construction results, when used in line with DAFA's instructions.



DAFA lining foil is easy to use and ensures a lasting, sealed transition to the vapor barrier.

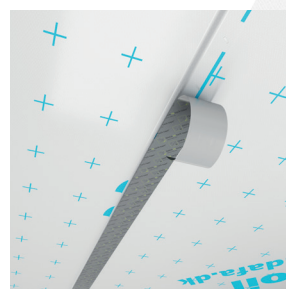


DAFA Hi-tack® pipe collar fits round and rectangular pipes, and ensures an airtight seal for many, many years.

- ① DAFA vapor barrier foils
- ② DAFA vapor barrier tape
- ③ DAFA universal pipe collar
- ④ DAFA universal cable collar
- ⑤ DAFA outside corner
- ⑥ DAFA inside corner
- ⑦ DAFA rafter shoe collar
- ⑧ DAFA Duo Foil lining foil
- ⑨ DAFA PE lining foil
- ⑩ DAFA foil adhesive
- ⑪ DAFA Multi Sealing™



DAFA foil adhesive creates an airtight bond between the vapor barrier and surfaces such as render, concrete or untreated wood.



DAFA Hi-tack® tape is a reliable solution for creating airtight joints and hence lasting vapor diffusion retarding solutions.

See the range of accessories on pages 12-13.

# rier

## Technical specifications

DAFA DiFoil is a vapor-permeable vapor barrier for building components exposed to sunshine, attics and periodically heated buildings. DAFA DiFoil prevents rot, dry rot and mold growth – primarily in exterior walls and ceiling structures. The vapor barrier allows periodically occurring condensation to pass through the foil, while sealing enough to stop normal vapor pressure.

Section width	1.5 m
Section length	50 m
Roll width	1.5 m
$S_d$ value	Approx. 2 m
Z value	>11 GPa s m <sup>2</sup> /kg
Fire classification	E
Color	White
GWP-total (A1-A3)	0,642 kg CO <sub>2</sub> eq./m <sup>2</sup>



DAFA DiFoil vapor barrier is used for thermally insulated building elements where there is a risk of summer condensation or other moisture accumulation on the outer side of the vapor barrier. For example, well insulated structures exposed to direct sunlight during summer periods can result in such great inside/outside temperature differences that there is a risk of condensation on the vapor barrier. This is a common phenomenon in holiday homes left uninhabited for certain periods. Following a correct moisture assessment of the structure, DAFA DiFoil can help protect against mold, dry rot and rot.



DAFA DiFoil consists of polyethylene (PE) material with a moisture-absorbing polypropylene (PP) fleece layer. The material can withstand direct sunlight for up to three months, and must not be exposed to direct contact with wood preservative with added solvents.



# Complete range of accessories

Quality foils for vapor barrier and other sealing applications are not enough alone. The DAFA AirStop system includes a range of accessories that make the system complete. This creates consistency - especially for the person performing the tasks, because the products fit together, ensuring lasting solutions.



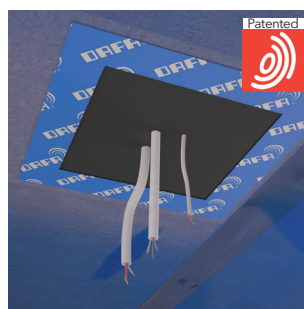
**DAFA vapor barrier tape**

- available in two types for airtight overlap joints and edging around shaped elements. Forms a sealed bond with all PP/PE membrane types, planed wood, plywood, chipboard and metal.



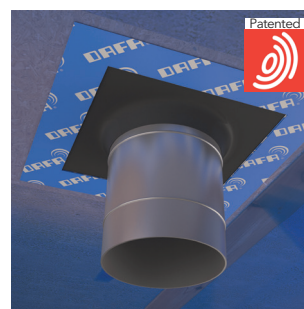
**DAFA Zero Waste®**

- a strong universal tape with no tape liner. Used for vapor barriers, roofing foils and wind barriers.



**DAFA universal cable collar**

- used for vapor barrier edging around cables and ceiling electrical boxes. Pre-stamped markings ensure correct installation.



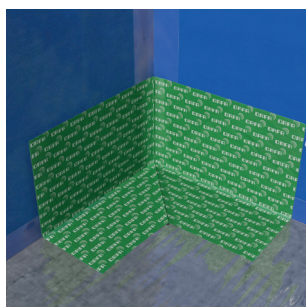
**DAFA universal pipe collar**

- used for vapor barrier edging around round and rectangular pipes. Pre-stamped markings ensure correct installation.



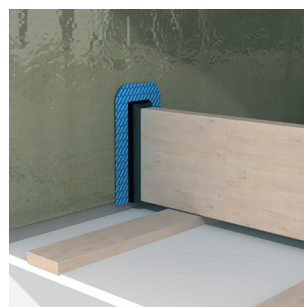
**DAFA Cable Collar 115**

- convenient sealing collar for roofing membranes, wind barriers and also vapor barriers. Fits cables/flex pipes from Ø7-35 mm.



**DAFA corners**

- used to conveniently seal the vapor barrier around inner and outer corners in walls, ceilings, window frames etc.



**DAFA rafter shoe collar**

- used to seal around rafter shoes and attic posts where the vapor barrier is penetrated. Available in one size which can be easily adapted on site.



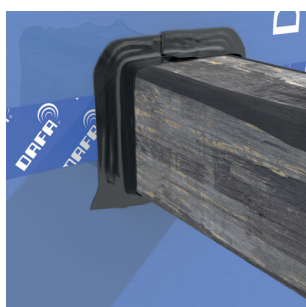
**DAFA PE lining foil**

- used to seal all around window and door apertures using a single piece. Lining foil is available in three standard widths on rolls, with tape to attach to the rear of the window or door frame.



**DAFA foil adhesive**

- creates a sealed bond between vapor barrier foils and absorbent, porous surfaces, such as render, aerated concrete, concrete or untreated wood.



**DAFA Multi Sealing**

- used to seal around elements that penetrate the vapor barrier. Extremely flexible and easy to work with - ideal for round or irregular objects.



**DAFA ExFoil sill foil with reinforcing mesh**

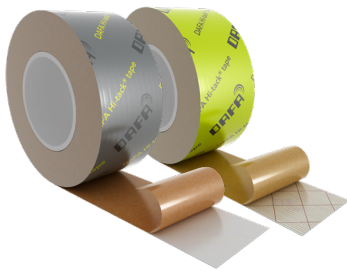
- used to seal between a top frame and an existing building element. Can also be used to fill gaps when installing DAFA ExFoil vapor barrier.



**DAFA water-based primer**

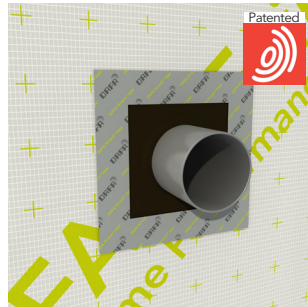
- used where better adhesion to the underlying surface is desired. It is recommended that primer be used on absorbent surfaces

# ssories



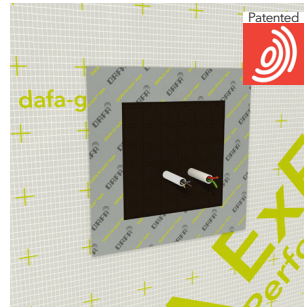
## DAFA Hi-tack® tape

- used indoors for sealing longitudinal and transverse joints in DAFA HiFoil and ExFoil vapor barriers and on plywood, chipboard, planed wood and metal.



## DAFA Hi-tack® pipe collar

- used in all buildings to seal around round and rectangular pipes. Attach the collar directly to the vapor barrier - fast, simple and reliable.



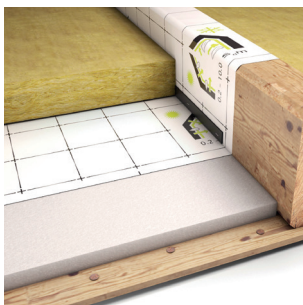
## DAFA Hi-tack® cable collar

- used indoors to seal DAFA HiFoil and ExFoil vapor barrier around cable conduits and ceiling outlets. Attach the collar directly to the vapor barrier - fast, simple and reliable.



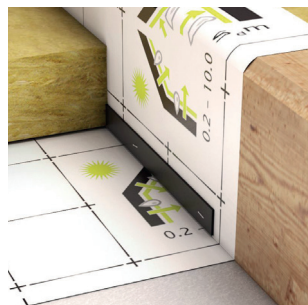
## DAFA ExFoil lining foil with reinforcing mesh

- used to seal all around window and door apertures using a single piece. Lining foil is pre-assembled with butyl rubber and tape



## DAFA IsoBatt™

- flexible PE foam to place between the underlying structure and the DAFA HiFoil when installing from above.



## DAFA edge protection profiles

- used to affix DAFA HiFoil to structural members such as rafters etc.



## DAFA SprayBarrier™

DAFA SprayBarrier has been specially developed to seal in areas where it is difficult to seal using traditional vapor barriers and sealants. It can be either sprayed or brushed on, allowing complex small joints to be sealed.



## DAFA's test center improves product development

DAFA has its own test center in which it can perform aging tests - subjecting products to harsh climate impacts from heat, cold, UV light and moisture.

This allows DAFA to simulate the most commonly used and recognized national and international testing standards.



# Tapes that last

DAFA supplies a range of tapes for sealing applications associated with professional construction. All the tapes are renowned for their durability and ease of use – to the benefit of the builder and the finished project.



## DAFA vapor barrier tape – green

– used to seal vapor barrier foils around vents, pipe and cable conduits, air ducts and corners.

## DAFA vapor barrier tape – blue

– for longitudinal and transverse joints in vapor barrier foils. The tape adheres to materials such as PP/PE membranes, plywood, planed wood, chipboard and metal.

## DAFA Hi-tack® tape – gray

– ideal for longitudinal and transverse joints in HiFoil moisture-adaptive vapor barrier.

## DAFA Hi-tack® tape – lime green

– ideal for sealing HiFoil moisture-adaptive vapor barrier around pipe penetrations, on surfaces such as plywood, chipboard, planed wood and metal.

## Features that make a big difference



### Easy to tear off

You can work faster, because you can easily tear off the tape to fit the application.



### Extremely adhesive

DAFA vapor barrier tape is extra strong. The tape's impressive adhesiveness means you can always count on joints remaining sealed.



### Long lifetime

Vapor barrier joints have to last many years. DAFA vapor barrier tape is your best guarantee that they will remain sealed for many, many years.



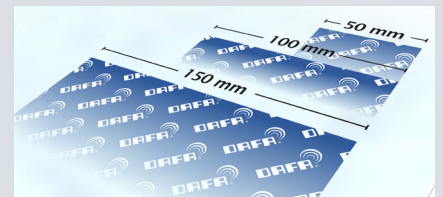
### Flexibility that seals

The flexibility of DAFA's green vapor barrier tapes makes it easy to seal around vents, pipe and cable conduits, air ducts and corners.



### For Nordic Ecolabeled buildings

DAFA's vapor barrier tapes are listed in the Nordic Ecolabeling database. You can therefore confidently use the tape for sealing solutions for Nordic Ecolabeled buildings.



### Convenient widths

DAFA vapor barrier tape is available in widths of 50, 100 and 150 mm. So you can choose the width that makes your work easiest and fastest.

# - guaranteed



## DAFA's functional and product warranty provides greater peace of mind

DAFA offers a highly attractive 10-year functional and product warranty on all products in the DAFA AirStop System range.

The product warranty covers the durability of the product, while the functional warranty ensures that the products fulfil the standards and norms they have been approved under. The warranty will apply in the event that the building envelope fails to fulfil the applicable legal requirements regarding sealing during the warranty period.

Under the warranty, DAFA will bear all costs for the delivery, removal and installation of all the products used in the structure.

This is conditional on the final solution meeting certain requirements, which you can see below.

## How to be covered by DAFA's functional and product warranty

It is easy to ensure you are covered by DAFA's 10-year functional and product warranty. The following factors apply:

### Correct installation

DAFA AirStop System products must of course be installed correctly, in accordance with DAFA's installation instructions and recommendations and the Building Regulation requirements and recommendations.



### Complete DAFA AirStop System®

To ensure warranty cover, only products from the DAFA AirStop System may be used for the inner sealing. This means the vapor barrier foils and system accessories such as vapor barrier tape, foil adhesive, lining foil, plinth and sill foil, universal pipe collars and universal cable collars.



### Documentation

You must be able to document which products were purchased and used in a given project. The documentation is therefore the invoices and/or shipping notes covering the purchase of products from the DAFA AirStop System.



### Proper planning and design

It is a condition that the planning for a construction project fulfills the applicable rules, including the applicable Building Regulations. This applies to both new construction and renovation projects.



### Blower door test

A blower door test is solid proof that a construction project has been completed correctly. If your project is covered by a blower door test requirement, the results of this must be available.





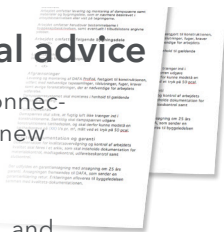
## - and much more...



### Descriptions and personal advice

DAFA offers advice and guidance in connection with planning and designing your new construction or renovation project.

This advice covers individual guidance, and materials in the form of descriptions and installation instructions.



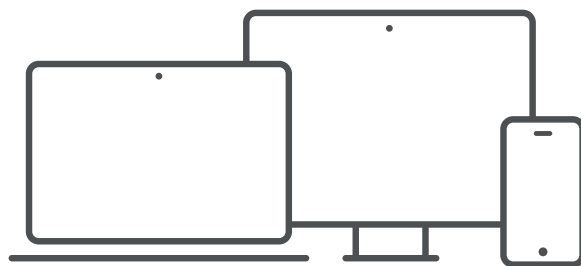
### Training for professionals

You can call in DAFA's expert staff for a short seminar at your premises, the construction site, the workshop or your local dealer. The seminar will go through the construction applications using DAFA AirStop and DAFA AirVent System, in relation to sealing the vapor barrier and sealing and ventilating roofs and exterior walls, involving theory, regulations, practical exercises and demonstrations.

### Website with complete information

You can always find the latest information about the systems, products, their applications and how to install them on DAFA's website.

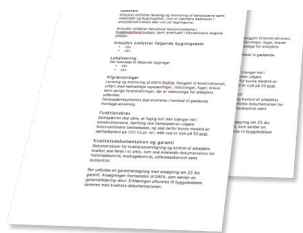
[www.dafa-build.com](http://www.dafa-build.com)



### Tests & Certificates

As there is no harmonised European standard or European Technical Approval covering a vapor barrier system like the DAFA AirStop System, beside the foil as vapour control layer, the assessment conducted by Danish Technological Institute consist of an ageing to verify the durability of the products.

The assessment of the quality of the adhesion in all types of joints and penetration of the vapour check was done according to EN ISO 9142:2004 "Adhesives - Guide to the selection of standard laboratory ageing conditions for testing bonded joints" and documented in a report.



### Contact

DAFA's employees are dedicated to serving you. For initial enquiries, you are very welcome to contact...



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