

# Dafaacts

**News** for our business partners..!

## DAFA Silence, please...

**DAFA Silence – new impact-noise-reducing underlay in a class of its own**

Extreme noise reduction for wood and laminate floors

**Three new bull's eyes for effective sealing**

Read about three new products for sealing critical points in the building



**New vapour barrier system by DAFA**

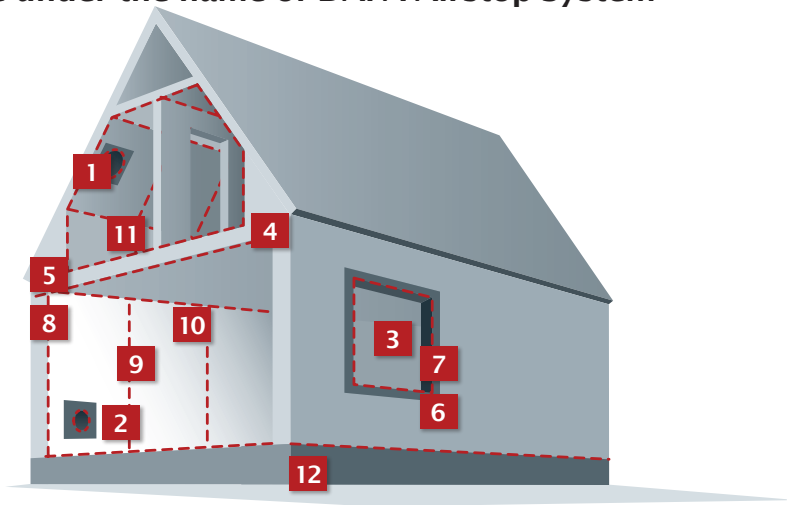
See the complete sealing system on pages 2 and 3



## The DAFA Airstop System is highly acclaimed by the professionals

"We intend to be the preferred supplier of the complete vapour barrier systems of the future". This was our objective as DAFA set about defining the vapour barrier range to be marketed in the future under the name of DAFA Airstop System

- 1 DAFA universal pipe collars
- 2 DAFA universal cable collars
- 3 DAFA Airstop external corner
- 4 DAFA Airstop internal corner
- 5 DAFA rafter shoe collars
- 6 DAFA Duo Foil reveal lining foil
- 7 DAFA PE reveal lining foil
- 8 DAFA masonry tape
- 9 DAFA foil adhesive
- 10 DAFA edge foil
- 11 DAFA vapour barrier tape
- 12 DAFA plinth and sill foil



DAFA Airstop System on the construction site

To achieve our ambitious goal, we decided at the same time that the vapour barrier system should be characterised as the most cohesive and modern vapour barrier solution in the market, and that, as a product, it should be based on high quality and ground-breaking, simple solutions. Concurrently, the products were used in trial constructions and tests.

From January 2010, we are introducing a unique vapour barrier system which will

distinguish DAFA as the market leader in this field. The Airstop range is currently attracting a great deal of acclaim from consulting engineers, contractors and tradesmen alike.

One of the reasons for this is our ongoing work to develop the system further, with a growing range to complement it. This gives us a great deal of confidence and respect from contractors, who find they receive assistance quickly and easily to enable them to produce effective, durable sealing solutions throughout the structure. In addition, we have intensified our marketing of the system, which will of course also increase awareness of our new vapour barrier solutions, not only among those performing the tasks but also among consulting engineers.

DAFA Airstop has already found its way to the building sites. With our upcoming foils, DAFA Airstop System will become the preferred vapour barrier technology of tradesmen and consulting engineers for securing against draughts, damp and mildew in the structures of the future.

### Complete literature (only available in Danish)

Order our information file about the entire Airstop system.

The file includes the key for selecting the right vapour barrier solution. It also contains datasheets for all the vapour barrier foils in the DAFA Airstop System. These contain detailed descriptions of application, properties, performance, characteristics, storage, implementation, etc.

The file also includes our leaflets focusing on the new, ground-breaking methods of simple 100% sealing of critical points in the building.

To order the file:  
telephone +45 8747 6666 or  
e-mail [dafa@dafa.dk](mailto:dafa@dafa.dk)





## Four new **vapour barrier foils** for professional construction



In response to growing demand for tightness and functionality of the vapour barrier, we have taken up the challenge and will soon be launching a brand-new foil range. Together with the rest of the Airstop system, the four vapour barriers complement modern construction

With our four different vapour barrier foils, it is now possible to offer consulting engineers and contractors a complete vapour barrier solution. The vapour barriers are designed for different applications depending on the type of building and the building specification relevant to the project in question.

DAFA's four new vapour barrier foils are:

- **DAFA DiFoil 8**
- **DAFA EcoFoil 85**
- **DAFA ProFoil 140**
- **DAFA AluFoil 300**

Choose the correct vapour barrier foil using DAFA's new overview key. Focusing on the type of construction/construction component makes it quick and easy to choose the right vapour barrier for the task at hand.

The rest of the Airstop system is designed for use with the foil, whatever type of vapour barrier foil is selected. This is very reassuring in practical application and produces high-quality construction results – provided the products are used as directed by DAFA.

Vapour barrier type	Sd value (m) Vapour tightness				
Extreme sealing	300				DAFA AluFoil 300
Sealing	200				
Impermeable	100			DAFA ProFoil 140	
Permeable	50	DAFA DiFoil 8	DAFA EcoFoil 85		
	0				
Exterior walls		(✓)*	✓	✓	✓
Ceiling/roof space		✓	✓	✓	✓
Thermal insulation of structural floors			✓	✓	✓
Thermal roofing (roofing on hard insulation)				✓	✓
North-facing structures			✓	✓	✓
Chalet/holiday home		✓	✓		
Indoor swimming pools/refrigerated rooms/industry					✓
Detached home		(✓)*	✓	✓	✓
Commercial/office/block of flats		(✓)*	✓	✓	✓
Tear-proof					✓

\* Only for sunlit surfaces



**You and your customers can have a warranty of up to 25 years!**

We give up to 25 years' product warranty on our new vapour barrier foils! If the vapour barrier part fails due to manufacturing defects in the vapour barrier foil, DAFA will bear the costs of re-establishing an effective, new vapour barrier system.





## Three new **bull's eyes** from our Construction & Development department.

What all three products have in common is that they have been developed to seal critical points in our buildings. However, perhaps the most interesting aspect is that they are a result of our close dialogue with you, out there in the field



### DAFA PE reveal lining foil

Prefabricated, ready-to-fit PE reveal lining foil for complete vapour-tight sealing of our window and door openings in one piece.

Four standard widths cover the majority of normal reveal depths in modern buildings, although the PE reveal lining foil can also be supplied made to measure. The foil is supplied on rolls of 50 m per roll. To make fitting as quick and structurally correct as possible, we have equipped the reveal lining foil with tape and butyl along the edges to make fitting a single work process.

The DAFA PE reveal lining foil is available in two variations, one for affixing to rough surfaces (blue) and one for fixing to adjoining vapour barrier (green).

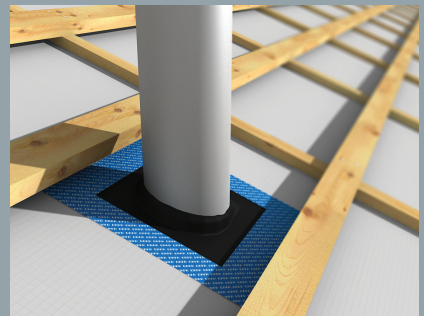


### DAFA EPDM rubber cloth

Extremely flexible and tear-resistant rubber cloth for waterproof and wind-proof sealing of openings in climate screen window and door rabbets as well as other facade details such as along foundation walls, and at underroof level around dormer windows, chimneys, against party-wall parapets and in attics, etc.

DAFA EPDM rubber cloth is UV-resistant.

With standard thicknesses of 1.2 mm (blue) and 0.8 mm (green), available for delivery in three widths: 100 mm, 145 mm and 205 mm to ensure you get the right product for most tasks involving flashing. Other widths can be supplied apart from the standard widths. In addition, ready-made corners can be supplied for customer-specific solutions.

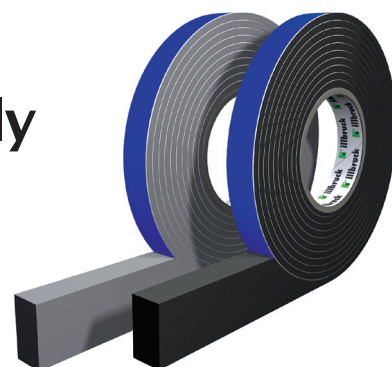


### DAFA underroof collar

Prefabricated EPDM underroof collar for affixing directly to all common types of underroof. The individual underroof collar fits all pipe lead-ins from Ø 80 mm to Ø 200 mm, as well as 100/150 | 150/150 mm square pipe lead-ins. No tools required.

## New Dafa-Flex sealing tape – an **optimised** version, competitively priced!

Comprehensive optimisation of the composition of our Dafa-Flex sealing tape means competitive prices – without compromising on quality!



The new generation of optimised Dafa-Flex sealing tape is called New Dafa-Flex.

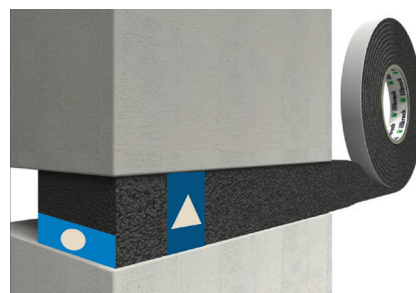
New Dafa-Flex's expanding sealing tape has exactly the same characteristics as the previous version. It is still used for interior sealing of joints around windows, doors and other building elements. The only difference is that it has now become less expensive to manufacture this popular sealing tape.

Based on the latest product knowledge, we simply went over the combination of materials and production technique with a fine-tooth comb. This made it possible to "tweak" the chemistry and production technique, which has resulted in more

economical production. That's why the price is now extremely sensible and competitive – and the same applies to our warranty: We have eliminated the old decreasing guarantee cover so we can guarantee New Dafa-Flex for the full 10 years!

In addition to New Dafa-Flex, DAFA supplies the products illmod 600, illmod A and illmod Trio – all expansion joint solutions. These products are used for joint solutions in modern construction, where there are very stringent requirements concerning quick, safe implementation and the structural engineering properties of the solution.

DAFA's sealing tape is permeable, but at the same time is completely sealed against driving rain. This ensures dry, sound construction behind the joint.



## Find out more from DAFA's new **joint solution brochure**

Our new joint solutions brochure offers you virtually everything worth knowing about our range of expansion joint products. With the brochure in your hand, it is easy to select the correct joint solution, whatever the nature of the task.

The brochure is richly illustrated with inspiring photos and realistic 3-D drawings. The reader is left in no doubt about the areas of application, function and position in the structures, or about how to achieve the best results on site.

The brochure is available for download from our website, [www.dafa.dk/downloads](http://www.dafa.dk/downloads) – or you can place a telephone order for a number of brochures for you and your customers: tel. +45 8747 6666.

Only available  
in Danish





# facts

## The new impact-noise-reducing **DAFA Silence** dampened everything – except the users' enthusiasm

DAFA Silence is a new, impact noise insulating floor underlay for all types of floating floor, specially designed for this purpose

And sound insulation is essential. Impact noise from wooden or laminate floors creates a noise problem in far too many buildings.

Any noise nuisance from the floor is a structural matter that many home owners do not focus on personally when choosing to have a new floating floor installed.



This is why it is important for professional tradesmen to be able to advise the customer concerning an optimum solution that will minimise impact noise from the new floor.

Up-to-the-minute feedback from selected projects is overwhelmingly positive. One of the outstanding features of DAFA Silence is that it reduces the noise almost 50% more effectively than conventional foam floor underlays. In addition, DAFA Silence works well with underfloor heating because the eco-friendly natural rubber conducts heat.



The noise reducing floor underlay is available with and without a vapour barrier backing. This makes the underlay ideal for floating floors laid on wood or concrete subfloors.

## DAFA Silence – the obvious choice for **sustainable** construction

In the opinion of Peter Grønlund, energy advisor and building technician, DAFA Silence is an extremely effective and comfortable floor underlay. In his sustainable new building, the +house in the shared-ownership community of Hjortshøj near Aarhus, all the building materials and components were scrutinised for sustainability before being incorporated into the project.



*Peter Grønlund's +house exudes modern architecture, but his choice of materials remains entirely faithful to the principles of sustainable construction.*



*Building technician and energy advisor Peter Grønlund's experience of sustainability requirements in construction led him to choose DAFA as his supplier.*

The +house is what Peter Grønlund calls his new house. He called it this, he explains, because in terms of energy consumption, the house scores better than the familiar passive houses. He designed and planned the house himself. The benefits of many years spent in major design studios and the work he has done on structural solutions show through in the

lines and solutions of the +house. Peter Grønlund chose to have floating floors with DAFA Silence as the impact-noise-reducing underlay. Accordingly, we were particularly interested to learn why he chose this particular product for impact noise reduction in his sustainable house. Could there be benefits that even we were not aware of? He begins by explaining that the fact that DAFA Silence reduces impact

noise up to 50% more effectively than conventional underlay materials, plus the fact that the underlay is very good at masking minor irregularities in the floor because it is made of 3 mm natural rubber, were two of the deciding factors in his choice.



## Test propels DAFA Silence into the elite category

DAFA measured the impact noise level in the "Tranbjerg G3 mock-up" test home, set up by BM Tag from the town Hobro and established with DAFA Silence W20. The company 'VM Acoustics' conducted the test, and the result was surprisingly good.

The measurement result for impact noise level was: Noise level<sub>w</sub> = 51 dB! The boundary value for impact noise in adjacent homes is a maximum of 53 dB! Thus, the measured test result complies with the BR08 building code requirement and is in fact 3 dB lower than the previous reading using normal foam impact-noise-reducing underlay. This equates to halving the impact noise experience in the test home.

The reason for taking the reading was that DAFA wanted to investigate whether a typical modern concrete floor between storeys with DAFA Silence as the impact-noise-reducing

underlay beneath the wooden floor can comply with the requirements for impact noise reduction in floors between storeys – in accordance with BR08!

The storey floor in the test home was constructed with a suspended gypsum ceiling on formwork without acoustic hangers. The floor was a floating laminate parquet floor laid without gypsum board. In the test home, impact noise level was measured and found to be 54 dB. We replaced the foam layer with a layer of DAFA Silence W20, which passed the test with flying colours.

The material is CO<sub>2</sub> neutral, because it is natural rubber, which was ideal for him. He explains the environmental benefit of there being no fossil oil in natural rubber. When planning sustainable construction, you have to focus on more than just low energy consumption. The choice of materials and the lifecycle accounts of the building are equally important. "In other words," Peter Grønlund points out, "in selecting products, you have to take a stance on the impact the building will have on the environment – including

when the whole building or parts of it will eventually be demolished!" He finds the floor particularly pleasant underfoot, and it has been found to work perfectly with the underfloor heating.

As well as DAFA Silence, Peter Grønlund also used DAFA Airstop products to seal the vapour barrier.



Peter Grønlund used DAFA Silence as an impact noise reducer throughout the house, which has floating floors.



To meet the requirement of 100% sealed vapour barriers, DAFA Airstop System products were used for the seal.

## DAFA environmentally certified by the end of 2009



What do you get out of it? – nothing, at first. Or perhaps the satisfaction of having a clear "environmental conscience" when choosing DAFA as a business partner and supplier. Your customers can benefit from this, too, because they will find it appealing and reassuring that you use a supplier which makes an active effort for the environment and our shared future in its "own house".



Morten Hæk  
Head of quality management and organisational development

"At DAFA, we definitely have strong expectations for certification. No doubt a lot of internal matters will have to be closely examined and changes made, but we intend to turn these into advantages," Morten Hæk of DAFA explains. "Environmental certification will position DAFA much more strongly as a supplier when you factor in future requirements on the construction, where people will have to become MUCH more eco-friendly and energy-aware," he concludes.

# facts facts

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Editorial team: Oddbjørg Barbara Lómstein,  
Marketing Manager

Jens Eg,  
Sales Manager

DAFA A/S  
Holmstrupgaardvej 12  
DK-8220 Brabrand  
Tel. +45 87 47 66 66  
Fax +45 87 47 66 00  
E-mail [dafa@dafa.dk](mailto:dafa@dafa.dk)  
[www.dafa-as.com](http://www.dafa-as.com)