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## Airstop Diva Forte Variable/Intelligent Membrane

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### DESCRIPTION

Transparent  
Vapour Barrier

**Airstop Diva Forte** reacts to ambient humidity. During the winter months the pores of the membrane decrease in size, preventing hot, moist, heated air from passing through the membrane into the insulation, therefore ensuring the effectiveness of the insulation and protecting your structure from damage due to excessive moisture.

During the summer months (drying-out months), due to ambient humidity and temperatures, the pores of the membrane increase in size, therefore allowing any potential moisture within the structure, to dry back out towards the inside of the dwelling, hence preventing possible mould and rot within the structure.

This process is crucial for exterior elements which are non-vapour diffusing or restrict the drying out of moisture to the exterior, such as felt-torched or water proofed flat roofs, pitched roofs with asphalt shingles, and green roofs.

The variable vapour permeability ( ) of Airstop Diva ranges from 0.2 to 20, offering the highest protection against moisture related damages on the market.

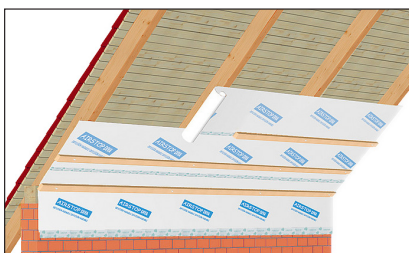
### PROPERTIES

According to standard  
EN 13984

Composition	Composite of PES /PA	
Roll Width	EN 1848-2	1.5m
Roll Length	EN 1848-2	40m
Roll Area	EN 1848-2	60m <sup>2</sup>
Roll Weight		Approx. 5.0kg
Colour		Transparent white with blue print
Weight per Unit Area	EN 1849-2	72 (±5) g/m <sup>2</sup>
Sd-Value	EN ISO 12572	0.2m – 20.0m (moisture-variable)
Temperature Resistance		-40°C to +80°C
Tear Strength	EN 12311-2	Longitudinal: 160 (±20) N/50mm Lateral: 120 (±20) N/50mm
Elongation at Maximum	EN 12311-2	Longitudinal: 32% Lateral: 38%
Tear Growth Resistance	EN 12310-1	Longitudinal: 38N Lateral: 32N
Storage		Cool and dry
UV-Resistance		None

### BENEFITS/USAGE

- Transparent
- Moisture-variable
- Flat roofs
- Construction components in new constructions & refurbishment with impermeable outer shell



**VARIABLE/INTELLIGENT MEMBRANE**  
Offering unparalleled protection  
against moisture



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### PREPARATION

**\*Please note:** An evaluation check must be made before this product or similar intelligent/variable products are used in combination with a non vapour permeable make-up. Factors such as the structure of the components, the location, climatic conditions, roof inclination, shading due to collectors or neighbouring buildings etc., greatly influence the thermal and moisture behaviour of a construction component. High humidity levels (e.g. caused by plastering works or concreting) influence the diffusion resistance of **Airstop Diva Forte**. Therefore the construction sequence has to be correct to prevent unwanted humidity entering into the building element during the construction phase.

### APPLICATION

**Airstop Diva Forte** is attached to the substrate using a tacker. The overlap should be approx. 10cm. All overlaps and joints must be sealed with **Airstop Flex Adhesive Tape**, **Airstop Ultra Adhesive Tape** and **Airstop Elasto Adhesive** or with **Airstop Sealant 'Sprint'**. We recommend the use of **Airstop Cable and Pipe Sleeves** or **Butyl Stretch Flex** for penetration points. With blown-in insulation the distance between battens should not exceed 30cm.

