



PRODUCT DETAILS

Product name **Proteus Pro-Felt® Endura AIRdhesive**

Product type Bituminous felt capsheet

PRODUCT DESCRIPTION

Proteus Pro-Felt® Endura AIRdhesive is a single layer, bituminous membrane which is saturated and coated with high percentage SBS modified bitumen, high-quality polyester reinforcement, a mineral finish on its upper surface, and a fleece finish on its underside.

Proteus Pro-Felt® Endura AIRdhesive can be specified as a completely flame-free and can be used fast method of overlaying existing roof coverings.

APPLICATION

Proteus Pro-Felt® Endura AIRdhesive is suitable for use on the following substrates:

- Timber
- Concrete
- Asphalt
- New roofs
- Overlays

Note: Some surfaces may require priming or sacrificial layers.

INSTALLATION

- To install the **Proteus Pro-Felt® Endura AIRdhesive** membrane correctly, ensure that the surface is dry, free of oil, dust, and other impurities.
- **Proteus Pro-Felt® Endura AIRdhesive** should only be used on flat roof areas.
- For upstands and details please use **Proteus Pro-Felt® SA Underlay** and either **Proteus Pro-Felt® Endura SA Capsheet** or **Proteus Pro-Felt® Endura Capsheet** depending on Safe2Torch guidelines.
- **Proteus Pro-Felt® Endura AIRdhesive** can be bonded with **Pro-Membrane Adhesive** or mechanically fixed to suitable substrates. Refer to our **Pro-Membrane Adhesive** datasheet for full instructions.
- When setting out the field area, rolls should always be laid in the same direction.
- Ensure that a constant flow of bitumen is maintained across the whole width of the roll and that a continuous bead of bitumen (**5-10 mm**) is exuded from all side and end laps to demonstrate that a good seal has been achieved.

Type	Measurement mm
Side Lap	120
End Lap	150
Upstand/Detail Lap	150

All laps are to be heat welded with a suitable hot air gun or flame torch (dependant on Safe2Torch)

TECHNICAL INFORMATION

Characteristic	Value	Unit	Standard
Mass per unit area	5.5	kg/m²	EN 1849-1
Thickness	4.5	mm	EN 1849-1
Straightness	≤ 20	mm/10m	EN 1848-1
Watertightness	passed	-	EN 1928
Maximum tensile force	L/T 1000/1000	N	EN 12311-1
Elongation	L/T ≥ 30/30	%	EN 12311-1
Dimensional Stability	≤ 0.3	%	EN 1107-1
Flexibility at low temperatures	≤ - 35	°C	EN 1109
Flow resistance at elevated temperatures	≥ 120	°C	EN 12311-1
Reaction to fire	E	-	EN 13501-1

SIZE, FINISH AND COLOUR

Product Code	Length m	Thickness mm	Width m	Weight kg	Finish	Colour
FTESLAIR05	5	4.5	1	29	Mineral	Anthracite

SHELF LIFE AND HANDLING

- The rolls are to be stored in an upright position, indoors in a dry and ventilated area, away from heat sources
- It is recommended to store the product at temperatures above **0°C**
- Avoid the stacking of rolls and pallets for storage or transport as this may cause possible deformations which may compromise a perfect installation

MATERIAL

Reinforcement	Polyester
Compound	SBS modified bitumen
Upper Finish	Mineral/Slate
Lower Finish	Fleece

PACKAGING

Proteus waterproofing felt label tape.

LIMITATIONS OF USE

For professional use only.

Care must be taken when using torches and hot air guns near combustible materials, decorative coatings and heat sensitive materials.

CHEMICAL PROPERTIES, SAFETY GUIDANCE AND DISPOSAL

Please refer to the **Proteus Pro-Felt® Endura AIRdhesive** [Safety Data Sheet](#).

GUARANTEES

Defects arising from lack of maintenance or abnormal use may fall outside of the cover of the Proteus Waterproofing guarantee.

GUIDELINES AND STANDARDS

It is the responsibility of the Contractor to thoroughly familiarise themselves with all relevant Codes of Practice and Building Regulations to the works or referred in the specification.

Proteus Waterproofing take no responsibility for misinterpretation or lack of knowledge for third parties.

The works shall be carried out in accordance with the requirements of:

- **BS 6229** Flat roofs with continuously supported flexible waterproof coverings - Code of practice
- **BS 8217** Reinforced bitumen membranes for roofing - Code of practice
- **BS 8000-0** Workmanship on construction sites - Introduction and general principles
- **BS 8000-4** Workmanship on building sites - Code of practice for waterproofing
- **LRWA** [Design Guide for Specifiers](#)
- **S2T** [Safe to Torch](#)
- **GRO** [Code of Best Practice](#)