

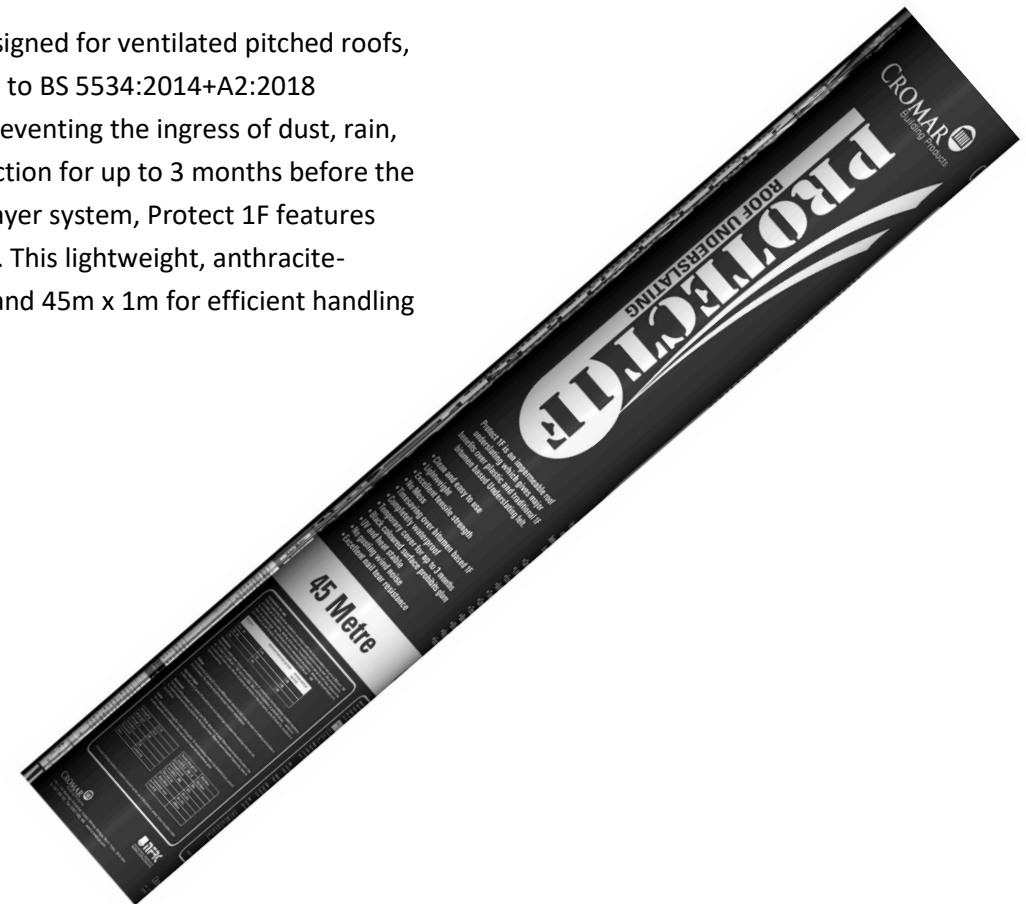
TECHNICAL DATASHEET — Protect 1F Non-Vapour Permeable Membrane

Description

Protect 1F is a high-performance, non-breather roofing underlay specifically designed for ventilated pitched roofs, requiring ventilation in compliance with BS 5250:2021. Installation must adhere to BS 5534:2014+A2:2018 guidelines. This durable membrane serves as a secondary barrier, effectively preventing the ingress of dust, rain, and snow into the roof void. It is intended to provide temporary weather protection for up to 3 months before the primary covering (slates or tiles) is installed. Constructed from a robust three-layer system, Protect 1F features two high-tensile polypropylene fabric layers fused to an impervious central film. This lightweight, anthracite-coloured material is clean, easy to handle, and conveniently sized in 15m x 1m and 45m x 1m for efficient handling and application.

Benefits

- Clean and easy to use
- Lightweight
- Excellent tensile strength
- No mess
- 1 metre wide for easy handling
- Excellent nail tear resistance
- Temporary cover for up to 3 months
- Anthracite surface prohibits glare
- UV and heat stable
- Timesaving over bitumen based 1F



PRODUCT DATA

Product	Weight	Flame Retardancy	Sizes	Colour	Nail Tear Strength	Tensile Strength	Elongation %	Water Vapour Transmission (sd) m	Water Vapour Resistance MNs/G	UV resistance	Roll Weight (kg)
Protect 1F	95gsm	Class E EN 13501-1	1m x 15m & 45m	Anthracite Upper/White Lower	95 N (MD) 130 N (XD)	180N/50mm (MD) 110N/50mm (XD)	60% (MD) 70% (XD)	W1	<0.02	3 months	1.43 4.23

Application

Protect 1F must be installed in accordance with the relevant sections of BS 5534:2014+A2:2018 and Cromar's fixing instructions.

Protect 1F primary use is as a non breathable roofing underlay, ideal for use in applications that are ecological reliant i.e in a bat conservation zone. It is designed as a secondary barrier to wind driven rain and snow, it should not be considered a primary waterproofing layer. Whilst the product is UV stable for up to 3 months exposure, good roofing practice dictates that the primary waterproofing finish (e.g. tiles, slates etc.) be applied as soon as practically possible.

Under slating membranes should not be considered as temporary weatherproof protection for occupied buildings or where internal fitting out is taking place. Additional protection should be afforded in these circumstances.

Protect 1F should be unrolled across the roof, starting at the eaves and working up the roof, it is laid dark grey (printed) side up. Vent3 Light when installed as a fully supported system, is laid over the support and secured with counter battens, alternatively the membrane can be installed over counter battens and fixed at 200mm centres using corrosion resistant straps or galvanised clout nails. Tiling battens are fixed to the counter battens leaving a minimum airspace of 25mm between the roof sheet underlay and the tiles for drainage and ventilation.



Limitations

- It is the user's responsibility to ensure suitability for use. Safety Data available on request.
- Read the label carefully for essential health and safety information prior to use.
- Health & Safety Care should always be taken when working at height. The safety of all working in construction is critical, above and below. Cromar membranes should not be used as part of a fall arrest system.
- Exposure – Membranes may remain unprotected for up to 3 months, but recommended practice is to install tiles or slates as soon as possible, to minimise risk of water ingress through unsealed overlaps, edges and nail holes after any rain, in line with the guidance from the NHBC and the BBA we recommend the felt be covered in just a few days.

Further Information:

In the event of further queries or problems concerning the use of this product, please contact the address below, e-mail sales@cromar.uk.com.

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