

Protan EX-A membrane

Protan EX-A PVC single-ply membrane is designed for installation in the Protan Adhered System in warm and cold roof constructions

Protan EX-A membrane is manufactured from pliable PVC reinforced with knitted polyester. The PVC contains stabilisers, which make the membrane resistant to both high and low temperatures; UV-stable; and fire-resistant.

A polyester fleece is laminated to the membrane's reverse side, so that it can be fully-adhered to tissue-faced insulation boards and cold roof decks using Protan ProBond adhesive.

The membranes are suitable for new-build and refurbishment projects on flat, pitched and barrelled roofs.

THICKNESS	1.5MM
ROLL LENGTH	20m
ROLL WIDTH	2m
WEIGHT OF PVC	1.75kg/ m ²
WEIGHT OF POLYESTER	80g/m ²
WEIGHT OF POLYESTER FLEECE	180g/ m ²

DURABILITY

Accelerated weathering tests and performance in service confirm that satisfactory retention of physical properties is achieved. All available evidence suggests that Protan EX-A roofing membranes should have a life in excess of 30 years.

Refer to BBA certificate 00/3755.

COLOURS

Protan EX-A membranes are available as standard in dark grey (RAL 7012) and light grey (RAL 7040).

STORAGE

Protan EX-A membranes must be stored dry. At the building site, it is important that rolls are stored on pallets (raised above the ground) and covered with a tarpaulin.

ECOLOGY, HEALTH AND SAFETY INFORMATION

A Safety Data Sheet following EC-Regulation 1907/2006, Article 31 is not needed to bring this product to the market, to transport or to use it. The product does not damage the environment when used as specified.

REACH EUROPEAN COMMUNITY REGULATION ON CHEMICALS AND THEIR SAFE USE: EC 1907/2006

This product is an article within the meaning of Regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use.

There are no registration requirements for substances in articles within the meaning of Article 7.1 of the Regulation.

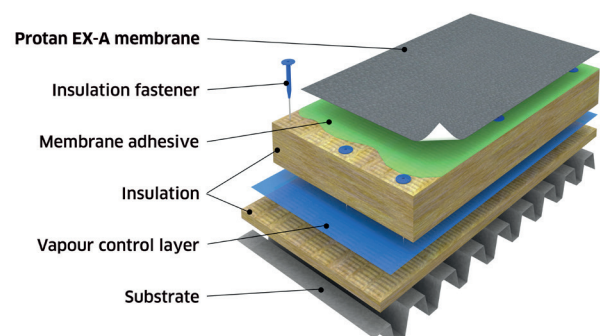
Based on our current knowledge, this product does not contain SVHC (substances of very high concern) from the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w).

REFERENCES

For further technical information, please refer to:

- Protan (UK) Ltd Adhered System Technical Data Sheet
- Protan (UK) Ltd ProBond Adhesive Technical Data Sheet
- BBA Certificate 00/3755

All of the above documents are available from Protan (UK) Ltd.



DECLARED PERFORMANCE

ESSENTIAL CHARACTERISTICS	PROTAN EX-A 1.5MM	EN 13956:2012
External fire performance	$F_{ROOF} (t^*)$	EN 13501-5
Reaction to fire	Class E	EN 13501-1
Water tightness (10kPa)	Pass	EN 1928(A)
Tensile strength L/T	MLV $\geq 1,100$ N/50mm	EN 12311-2(A)
Elongation L/T	MLV $\geq 15\%$	EN 12311-2(A)
Resistance to impact	MLV ≥ 700 mm	EN 12691(A)
Resistance to static load	MLV ≥ 20 kg	EN 12730(A)
Tear resistance L/T	MLV ≥ 300 N/50mm	EN 12310-2
Joint peel resistance	MLV ≥ 150 N/50mm	EN 12316-2
Joint shear resistance	MLV $\geq 1,000$ N/50mm	EN 12317-2
Foldability at low temperatures	MLV $\leq -30^{\circ}\text{C}$	EN 495-5
Exposure to UV	Pass >5000h	EN 1297
Adhesion to polyester fleece	≥ 20 N/50mm	ASDM D 1876
Dangerous substances	None	

* = The external fire performance of a roof is dominated by the build-up and components not delivered by Protan (UK) Ltd. Due to this, the external fire performance cannot be declared in this Declaration of Performance. Protan has tested build-ups according to ENV1187 and provides fire classifications on several actual build ups according to EN 13501-5, details of which are available from Protan (UK) Ltd.

