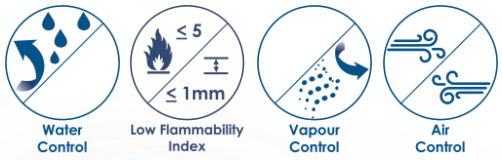
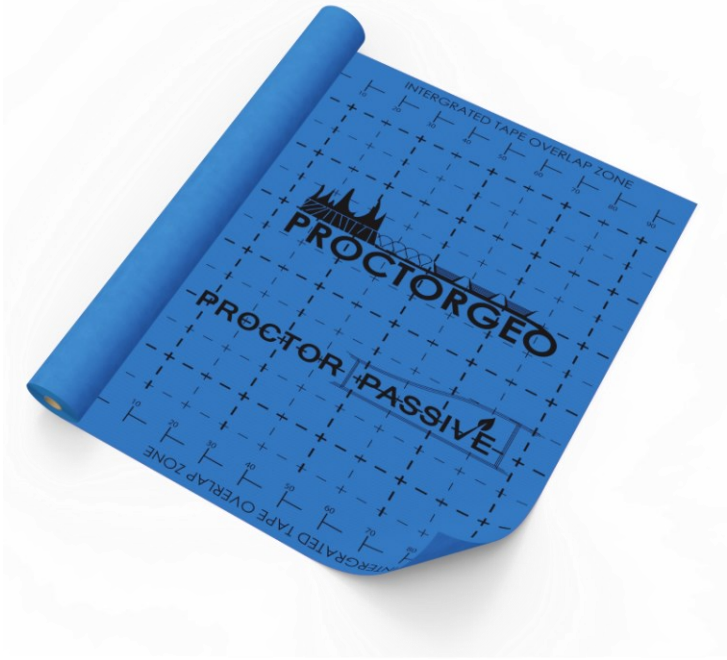
PROCTORGEO Vap120

Vapour & Air Retarder
also known as ProctorPassive Vap 120





Product Description

ProctorGeo Vap120 is a light duty vapour and air retarder. The air & water vapour resistance of the two layer polyolefin non-woven membrane resists the flow of vapour by both diffusion and air movement through wall, ceiling and floor assemblies thus helping protect the building fabric and insulation from condensation and related problems such as mould, timber rot, corrosion and loss of thermal resistance.

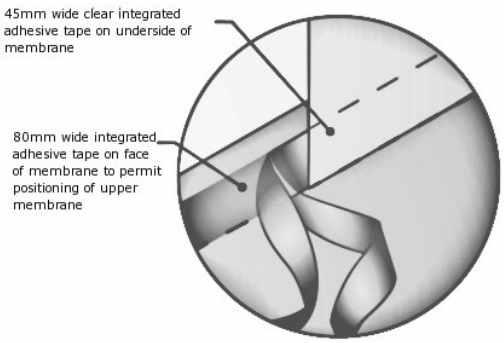
When installed as a continuous layer, ProctorGeo Vap120 will help form an air tight layer improving the efficacy of ventilation systems thus improving the energy efficiency and the interior environment of the building enclosure.

Applications

ProctorGeo Vap120 is typically used as a vapour and air retarder in roof, wall and floor applications on the interior side of insulation in cold climates, buildings with high internal humidity such as indoor swimming pools and museums, and on the exterior side of insulation in air conditioned buildings in hot and humid climates, refrigerated buildings ,cold stores and ice rinks.

A correctly specified and installed vapour retarder can limit the volume of water vapour reaching condensing surfaces. Users need to understand, based on the climate location, building use and other factors, if and why a vapour retarder is required and that it is correctly located relative to any insulation.

Vapour retarders should not be used on the exterior side of insulation in cold and temperate climates as a sarking where there is a risk that condensation will form on the interior face of the retarder. Please contact Proctor Group Australia for advice on the suitable application of ProctorGeo Vap120.



Integrated Tape

To improve the integrity of installation, ProctorGeo Vap120 is supplied with a factory applied integrated tape on the face of the lower course and the rear of the upper course of membrane.

Installation

ProctorGeo Vap120 should be installed in accordance with the supplied installation guide.

Benefits

- Ideal for swimming pools and humid buildings
- Factory applied integrated tape
- Slightly translucent for ease of insulation
- Water vapour resistant
- Suitable for use in some corrosive environments
- High water resistance
- Non perforated
- Non conductive
- Air tight
- Lightweight and easy to handle
- Robust with excellent tear resistance
- Used as a separation sheet in floor applications

Durability

Although ProctorGeo Vap120 can be used as temporary protection during construction, it can not be used as a primary waterproofing membrane. The product may be damaged by careless handling, high winds or vandalism, and should not be left uncovered for longer than is absolutely necessary. Any damaged areas should be replaced before completion.

Ensure that ProctorGeo Vap120 is covered as soon as possible, and **not left exposed to UV for longer than 4 weeks**. ProctorGeo Vap120 is not to be used in installations where it could be exposed to long term UV radiation.

ACOUSTIC INSULATION
CONSTRUCTION MEMBRANES
GEOSYNTHETIC ENGINEERING
PASSIVE VENTILATION
RAINSCREEN SYSTEMS
THERMAL INSULATION

Proctor Group Australia
a division of Dynamic Composite Technologies Pty. Ltd.

T 02 8788 9555
E technical@proctorgroup.com.au
W www.proctorgroup.com.au

PROCTORGEO Vap120

Vapour & Air Retarder - also known as ProctorPassive Vap 120

Technical Data

Properties	Test method	Result
Duty Classification	AS/NZS 4200.1:2017	Light Wall
Vapour Permeance	ASTM E96	0.02 µg/N.s
Vapour Resistance	ASTM E96	49 MN.s/g
	EN 1931 (Sd value)	12 m
Vapour Barrier Classification	AS/NZS 4200.1:2017	Vapour Barrier: Class 2
Emittance	AS/NZS 4201.5	Non-reflective
Water Barrier	AS/NZS 4201.4	High
Resistance to Dry De-Lamination	AS/NZ 4201.1	Pass
Resistance to Wet De-Lamination	AS/NZ 4201.2	Pass
Shrinkage	AS/NZ 4201.3	< ±0.5%
Folding endurance	AS/NZS 1301.423	MD: ≥2.00 CD: ≥1.7 (log_{10} folds)
Burst Strength	AS 2001.2.19-1988	303 N
Air Permeability / Air Control Classification	EN 12114:2001	< 0.02 $m^3/(h.m^2.50Pa)$
	AS/NZS 4200.1, ISO 5636-5	Air Barrier (≥ 0.1 MNs/m3)
Flammability Index	AS/NZ 1530 Part 2	≤ 5
Thickness	EN 1849-2	0.32 mm
Electrical Conductivity Classification:	AS/NZS 4200.1:12017, AS/NZS 3100-2017	Electrically Non-Conductive
Tensile Strength	AS 1301.448	MD: 4.5 kN/m CD: 3.1 kN/m
Edge Tear Resistance	TAPPI T470	MD: 227 N CD: 157 N

Health and Safety

Information on any known health risks on our products is listed in the Material Safety Data Sheets available from Proctor Group Australia.

All proper safety measures should be taken during installation and all relevant OH&S and statutory regulations must be followed. ProctorGeo Vap120 has no anti-slip coating so may be slippery when wet. Carelessly discarded packaging also represents a slip hazard.

Product Performance

The details supplied here are based upon good practice and currently available information and should be read in conjunction with the most up to date product user guide. Users are advised to make their own determination as to the suitability of this information in relation to their particular purpose and specific requirements. Please contact us to discuss your project and any particular technical enquires.

Sample Specification

Vapour and air control layer should be ProctorGeo Vap120 vapour and air retarder membrane, compliant to AS/NZS 4200.1:2017, secured directly to the interior side of the wall or ceiling frame in accordance with the product user guide. AS4200.1:2017 Classifications:

- Vapour Control - Class 2 Vapour Barrier
- AS1530.2 Flammability Index ≤ 5
- Air Control - Air barrier
- Electrical Conductivity - Non conductive
- Emissivity - Non reflective.

Dimensions & Packaging

Product	Width	Length	Roll Area	Roll Coverage (100mm overlaps)	Roll weight	Rolls per pallet
ProctorGeo Vap120	1,500mm 3,000mm	30m	45m² 90m²	42m² 87m²	5.5kg 11kg	72 rolls

Accessories

Application	Product	Width	Length (m)
Sealing joins and tears	ProctorPassive Air Barrier (AB) Tape	60mm /75mm	25m
Temporary adhesion to steel frame	ProctorPassive YouRippa Duo Tape (double sided)	25mm	20m