PRODUCT TECHNICAL STATEMENT

SEPTEMBER 2023

PROCTORPASSIVE GEOVAP 120
VAPOUR RETARDER AND CONVECTION BARRIER

DESCRIPTION

ProctorPassive GeoVap 120 is a light duty vapour and air retarder. The air & water vapour resistance of the two layer polyolefin non-woven wrap resists the flow of vapour by both diffusion and air movement through the 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, ProctorPassive GeoVap 120 will help form an airtight layer, reducing the loss of heated or cooled air, improving the efficacy of ventilation systems thus improving the energy efficiency and the interior environment of the building enclosure.

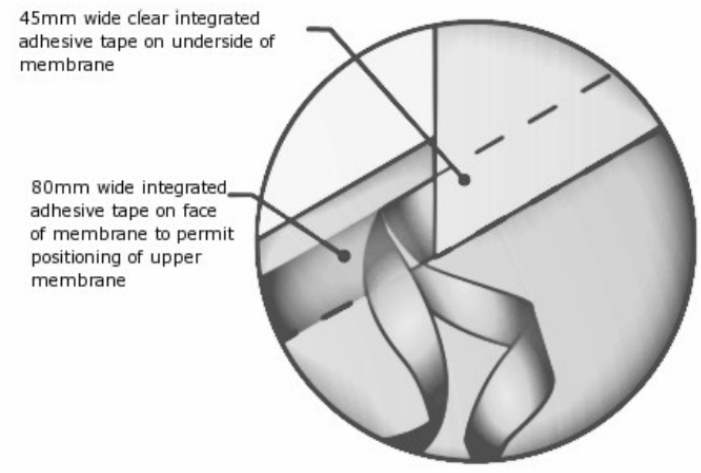
APPLICATIONS

Vapour retarders are typically used with sheet roof and wall claddings, in constructions located in cold climates, buildings with high internal humidity such as indoor swimming pools and museums, air conditioned buildings located in hot and humid climates and refrigerated buildings such as cold stores and ice rinks. A correctly specified and installed vapour retarder will reduce the volume of water vapour reaching cold 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 the 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 the DriSpace technical team for advice on the suitable application of ProctorPassive GeoVap 120 - technical@drispace.co.nz

INTEGRATED TAPE

To improve the integrity of installation, ProctorPassive GeoVap 120 is supplied with a factory applied integrated tape on the face of the lower course and the rear of the upper course of wrap.



www.drispace.co.nz
technical@drispace.co.nz
0800 374 7883

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7 Fisher Crescent, Mt. Wellington
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DURABILITY

Although ProctorPassive GeoVap 120 can be used as temporary protection during construction, it cannot be used as a primary waterproofing wrap. 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 ProctorPassive GeoVap 120 is covered as soon as possible, and not left exposed to UV for longer than 4 weeks. ProctorPassive GeoVap 120 is not to be used in installations where it could not be exposed to long term UV radiation.

BENEFITS

- Ideal for swimming pools and humid buildings
- Factory applied integrated tape
- Slightly translucent for ease of insulation
- Water vapour resistance
- Suitable for use in some corrosive environments
- High water resistance
- Non-perforated
- Non-conductive
- Airtight
- Lightweight and easy to handle
- Robust with excellent tear resistance

SAMPLE SPECIFICATION

Vapour retarder should be ProctorPassive GeoVap 120 vapour and air retarder wrap, tested in AS/NZS 4200,1:1994 standards, secured in accordance with product user guide.

- Vapour resistance: No less than 40MNs/g
- Duty classification: Light
- Water Barrier Classification: High
- Air permeance (EN12114:2001):<0.02m^3/(h.m^2.50Pa)
- Emittance: Non-reflective
- Flammability Index: Low
- Notes: Non-conductive and not subject to corrosion

HEALTH & SAFETY

Information on any known health risks on our products is listed in the Material Safety Data Sheets. If you require any information including MSDS, please contact DriSpace Technical Team.

DISCLAIMER

The details supplied here as based upon good practice and currently available information and should be read in conjunction with the most up to date product user guide. Please check that this product is suitable for your particular application. Please contact DriStud Technical Team to discuss your project and any technical enquiries.
ProctorPassive GeoVap 120 is a multilayer laminate product and is not therefore suitable for testing to AS1530.1. Please note that ProctorPassive GeoVap 120 is a polyolefin material and therefore is not deemed to be non-combustible. Although ProctorPassive GeoVap 120 has a flammability index of no greater than 5 when tested to AS1530.2, it does not meet the deemed to satisfy requirements as a non-combustible product.

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TECHNICAL DATA

Criteria	Reference	Result
Duty Classification	Table 1 AS/NZS 4200.1:1994	Light*
Vapour Permeability	ASTM E96	0.02 µg/N.s
Vapour Resistance	ASTM E96	49MN.s/g
Vapour Barrier Classification	AS4200.1	Medium
Emittance	AS/NZ 4201.5	Non-reflective
Water Barrier	AS/NZ 4201.4	High
Absorbency	AS/NZ 4201.6	Unclassified
Resistance to Dry De-Lamination	AS/NZS4201.1	Pass
Resistance to Wet De-Lamination	AS/NZ 4201.2	Pass
Shrinkage	AS/NZ 4201.3	< ±0.5%
Burst Strength	AS 2001.2.19-1988	303N
Flammability Index	AS/NZ 1530 Part 2	< 0.02 $m^3/(h.m^2.50Pa)$
Air Control Classification	AS/NZS 4200.1, ISO 5636-5	Air Barrier (≥ 0.1 MNs/m3)
Flammability Index	AS/NZ 1530 Part 2	≤ 5**
Tensile Strength	AS 1301.448	
Machine Direction (kN/m)		4.5kN.m
Lateral Direction (kN/m)		10.5 MNs/g
Edge Tear Resistance	TAPPI T470	
Machine Direction (N)		227N
Lateral Direction		157N

* ProctorPassive Vap 120 is classified as light duty in accordance with the value specified for bursting strength.
** Testing to AS1530.2. has only been conducted on sections of material without integrated tape.

AIRTIGHTNESS TESTING

Criteria	Reference	Result
Air Permeability	EN 12114:2001	<0.02 $m^3/(h.m^2.50Pa)$

STANDARD SIZES & PACKAGING

Width	Length	Material Per Roll	Coverage Per Roll	Weight Per Roll	Rolls Per Pallet
1500mm	30m	45m^2	42m^2	5.5kg	72

ACCESSORIES

Application	Product	Width	Length (m)
Sealing joins and tears	ProctorPassive HighTack PLUS	60mm	25m
Temporary adhesion to steel frame	ProctorPassive YouRippa Duo Tape (double sided)	30mm	20m

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