

## Vap120 Vapour & Air Retarder

also known as ProctorGeo Vap120



### Product Description

ProctorPassive 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, ProctorPassive Vap120 will help form an air tight 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

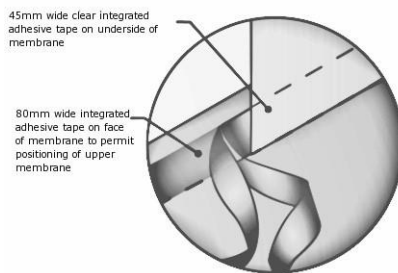
Vapour retarders are typically used with sheet roof and wall claddings, in constructions located in cold climates, buildings with high internal humidity such as indoor swimming pools and museums, air conditioned buildings located in hot and humid climates and refrigerated buildings such as cold stores 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 DriStud Technical Team at TCL Hunt Building Products for advice on the suitable application of ProctorPassive Vap120.

### Integrated Tape

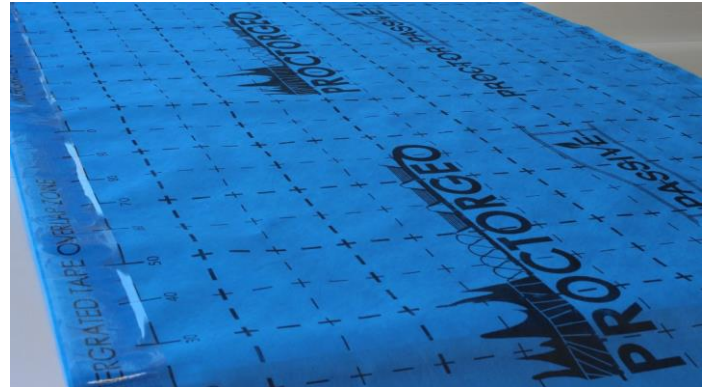
To improve the integrity of installation, ProctorPassive Vap120 is supplied with a factory applied integrated tape on the face of the lower course and the rear of the upper course of membrane.



### Durability

Although ProctorPassive 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 ProctorPassive Vap120 is covered as soon as possible, and **not left exposed to UV for longer than 4 weeks**. ProctorPassive Vap120 is not to be used in installations where it could 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 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

### Sample Specification

Vapour retarder should be ProctorPassive Vap120 vapour and air retarder membrane, tested to AS/NZS 4200.1:1994 standards, secured in accordance with product user guide.

Vapour resistance: No less than 40MN<sub>s</sub>/g  
 Duty classification: Light  
 Water Barrier Classification: High  
 Air permeance (EN12114:2001): <0.02 m<sup>3</sup>/(h.m<sup>2</sup>.50Pa)  
 Emittance: Non-reflective  
 Flammability Index: Low  
 Notes: Non conductive and not subject to corrosion

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## Classifications under AS/NZS 4200.1

Criteria	Reference	Test Result
Duty Classification	Table 1 AS/NZS 4200.1:1994	Light*
Vapour Permeability	ASTM E96	0.02µg/N.s
Vapour Resistance	ASTM E96	49MN.s/g
Vapour Barrier Classification	AS4200.1	Medium
Emittance	AS/NZS 4201.5	Non-reflective
Water Barrier	AS/NZS 4201.4	High
Absorbency	AS/NZS 4201.6	Unclassified
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%
Burst Strength	AS 2001.2.19-1988	303N
Flammability Index	AS/NZ 1530 Part 2	≤ 5**
<b>Tensile Strength</b>	AS 1301.448	
- Machine Direction (kN/m)		4.5kN/m
- Lateral Direction (kN/m)		3.1kN/m
<b>Edge Tear Resistance</b>	TAPPI T470	
- Machine Direction (N)		227N
- Lateral Direction (N)		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.		

## Air Tightness Testing

Criteria	Reference	Test Result
Air Permeability	EN 12114:2001	<0.02 m³/(h.m².50Pa)

## Standard Sizes & Packaging

Width	Length	Material per roll	Coverage per roll	Weight per roll	Rolls per pallet
1500mm	30m	45m²	42m²	5.5kg	72

## Accessories

Application	Product	Width (mm)	Length (m)
Sealing joints and tears	ProctorPassive Air Barrier Tape	60	25
Temporary adhesion to steel frame	ProctorPassive Duo Tape (double sided)	24	50

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### **Health and 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 DriStud Technical Team.

### **Disclaimer**

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. Please check that this product is suitable for your particular application. Please contact DriStud Technical Team to discuss your project and any technical enquires.

ProctorPassive Vap120 is a multilayer laminate product and is not therefore suitable for testing to AS1530.1. Please note that ProctorPassive Vap120 is a polyolefin material and therefore is not deemed to be non-combustible. Although ProctorPassive Vap120 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.

Please consult your fire engineer if you wish you use ProctorPassive Vap120 as part of a performance solution.