



Limited Combustibility, Vapour Permeable, Water & Air Barrier Sarking



Product Description

ProctorPassive PyroPerm A2 (PyroPerm-A2) is a three layer membrane consisting of a thin vapour permeable, air tight and water resistant film protected by a woven non-combustible glass textile on one face and a highly perforated aluminium film on the other. Developed primarily as a vapour permeable sarking for use in high rise rain screen applications, and buildings located in bush fire zones, PyroPerm-A2 offers a combination of strength, limited combustibility and high water holdout without compromising vapour permeance.

Applications

PyroPerm-A2 is suitable for installation in vertical wall constructions behind ventilated facades and as a roofing underlay. Please contact Proctor Group Australia to seek assurances on the suitability of PyroPerm-A2 for other applications.

Installation

PyroPerm-A2 should be installed in accordance with AS/NZS 4200.2 Pliable Building Membranes and Underlays, Part 2 Installation Requirements and in full accordance with the product installation guide. PyroPerm-A2 can be installed facing either direction but if the reflective surface is facing outdoors, installers must take measures to deal with glare from the reflective surface.

Integrated Tape

To improve the integrity of installation, PyroPerm-A2 is supplied with a factory applied integrated tape.

Durability

Although PyroPerm-A2 can be used as temporary protection during construction, to avoid any damage during construction all edges must be properly fixed as per the install guide. The product may be damaged by careless handling, high winds or vandalism, and should not be left uncovered for longer than is absolutely necessary. To avoid fraying of the membrane prior to completion of the installation, all exposed edges must be taped or fixed. Any damaged areas must be replaced before completion. To ensure maximum long term durability, ensure that PyroPerm-A2 is not left exposed to UV for longer than 2 months.

Health & Safety

Information on any known health risks on the material are listed in the Material Safety Data Sheets available from Proctor Group Australia. Follow all guidance and industry good practice guidelines. In particular, pay attention to the disposal of the removed release liner and packaging, as this presents a slip hazard.



Benefits

- High water resistance (AS/NZS 4201.4)
- Limited combustibility (Euroclass A2-s1,d0)
- Vapour permeable
- Air tight
- Extra heavy duty
- Supplied with integrated tape

Limited Combustibility

PyroPerm A2 is not deemed to be non-combustible in Australia. Laminated or coated products can not be tested to AS1530.1. PyroPerm A2 includes some organic material.

In accordance with the NCC 2019 Volume 1 deemed to satisfy provisions contained in C1.9 (e)(vi), PyroPerm A2 is a sarking-type material which does not exceed 1 mm in thickness and has a Flammability Index not greater than 5 and can thus be used wherever a non-combustible material is required.

However PyroPerm A2 can only be used as a non-combustible element as part of a fire engineered performance solution where the building need to comply to NCC 2016 Amendment 1.

Euroclass A2-s1, d0 applies to materials classified as having no or negligible contribution to the fire. In addition, they produce little or no smoke, and no burning droplets or particles. Please consult with your local certifier and fire engineer.

Technical Data

Criteria	Reference	Result
Duty Classification	Table 1 AS/NZS 4200.1:2017	Extra Heavy
Vapour Permeance	ASTM E96	1.4260 µg/N.s
Vapour Resistance	ASTM E96 EN 1931:2001 Sd value	0.7 MN.s/g 0.08 m (± 0.02) equates to 0.4 MNs/g
Vapour Control Classification	AS/NZS 4200.1:2017	Vapour Permeable - Class 4
Emittance	AS/NZS 4201.5	IR Reflective - RN One face < 0.05%
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	Pass < ±0.5%
Folding endurance	AS/NZS 1301.423	Pass MD: ≥2.00 CD: ≥1.7 (log ₁₀ folds)
Flammability Index	AS/NZ 1530 Part 2	1 (Low ≤5)
Fire Characteristics	EN 13501-1 (Euroclass)	A2,s1-d0
Thickness	EN 1849.2	0.4 mm
Burst Strength	AS 2001.2.19-1988	1,607 N
Tensile Strength	AS 1301.448	MD: 67.1 kN/m CD: 40.4 kN/m
Edge Tear Resistance	TAPPI T470	MD: 421 N CD: 452 N
Electrical Conductivity		Conductive
Allowable UV exposure prior to completion of cladding		2 months

Product Performance

PyroPerm-A2 performs to specification in normal building applications when installed in accordance with the Product Installation Guide. The information herein is supplied in good faith and to the best of our knowledge was accurate at the time of publication. Users are advised to make their own determination as to the suitability of this information in relation to their particular purpose and specific requirements.

Sample Specification

Sarking should be PyroPerm-A2 vapour permeable membrane, tested to AS/NZS 4200.1:2017 standards, secured directly to the outside of the structure in accordance with the product installation guide. All laps and penetrations are sealed with ProctorPassive Tapes.

Breather foil or non-water barriers do not comply with this specification.

- Vapour Permeance: No less than 1.25 µg/N.s (vapour resistance of no greater than 0.8 MNs/g)
- Burst Strength no less than 1.5 kN
- Duty classification: Extra Heavy
- AS4200.1 Water Barrier Classification : High
- AS4200.1 Vapour Control Classification: Vapour Permeable - Class 4
- Air Control Classification: Air Barrier

Dimensions and Packaging

Product Code	Width (mm)	Length (m)	Area (m ²)	Coverage (m ²)	Weight kg/roll	Rolls/pallet
ProctorPassive Pyroperm A2 (PP-A2)	1,200	50	60	52.5	26	24