

DuPont™ Tyvek® HomeWrap®

Vapour permeable building membrane

- ✓ NCC Compliant
- ✓ Class 4 vapour permeable membrane in accordance with AS4200.1
- ✓ AS 1530.2 compliant
- ✓ CodeMark certified
- ✓ Lightweight and easy to handle

DuPont™ Tyvek® HomeWrap® is a Class 4 vapour permeable membrane that is designed to help keep air and water out of buildings while letting water vapour escape. Tyvek® HomeWrap® can also reduce home energy bills by controlling air flow and water intrusion, which helps insulation work better and air conditioning systems to work more efficiently. The

membrane is engineered to keep buildings cooler in the summer, warmer in the winter, and dry all year round.

Tyvek® HomeWrap® provides excellent tear strength and good wet strength combined with a superior UV resistance of 120 days. Builders choose DuPont™ Tyvek® HomeWrap® because it withstands the rigours of the construction site and offers an easy solution to protect the buildings from the harmful effects of the elements once construction is completed.

Tyvek® HomeWrap® is CodeMark Certified, NCC compliant and satisfies the requirements of the Building Code of Australia for buildings of class 1,2 to 9 and 10 of Volume One and Two. Tyvek® HomeWrap® can be used where non-combustible materials are required including on external walls of buildings of Type A and B construction.

■ Product Specifications

Physical Properties	Test Method	Requirement	DuPont™ Tyvek® HomeWrap® (1055B)
Duty classification	AS/NZS 4200.1	Light Wall	Light Wall
Vapour permeance	ASTM E96-B	>0.14µg/N.s	>2.5µg/N.s
Vapour resistance	ASTM E96-B	<7.0MN.s/g	<0.5MN.s/g
Vapour control classification	AS/NZS 4200	Class 1-4	Class 4 (low)
Emittance	AS/NZS 4201.5	-	Semi-reflective
Mechanical strength			
Edge tear (MD & CD)	Tappi T470	150N & 100N	225N & 215N
Tensile (MD & CD)	AS/NZS 1301.448	-	5.0kN/m & 4.5kN/m
Resistance to dry delamination	AS/NZS 4201.1	-	Pass
Resistance to wet delamination	AS/NZS 4201.2	-	Pass
Folding endurance (MD & CD)	AS/NZS 1301.423	2.0 & 1.7	Pass
Burst strength	AS 2001.2.19	>200N	275N
Flammability	AS/NZS 1530.2	≤5.0	Pass
Absorbency	AS/NZS 4201.6	-	Unclassified
Heat shrinkage	ASTM D1204	-	Pass
Air resistance	ISO 5636/5-2003	≥0.1MNs/m³	Pass
Weight			Nominal 62gsm
Width			2740/3048mm
Thickness		<1.0mm	0.14mm

■ Product Details

Product Code	Name	Width (mm)	Length (m)	m ² Per Roll	Weight Per Roll (kg)
TYVEK2743	Tyvek® HomeWrap®	2743	30	82.29	5.2
TYVEK3048	Tyvek® HomeWrap®	3048	30	91.44	5.7

■ Compliance

Tyvek® HomeWrap® complies with the National Construction Code (NCC) for sarking type materials used in walls and satisfies the following requirements:

- AS/NZS4200.1: 1994 for 'Pliable Building Membranes'.
- Deemed to Satisfy Standard - recognised by NCC Volumes 1 and 2.
- Achieves a low Flammability Index (≤5) in accordance with AS1530.2:1993.
- NCC Volume 2 Part 3.7.1.9 Fire Hazard Properties (Class 1 & 10 Buildings).
- NCC Volume 1 Specification C1.10 Fire Hazard Properties (Class 2 to 9 Buildings). Suitable for use as a sarking type material in locations other than fire control rooms subject to Specification E1.8.
- Suitable for installation behind all wall cladding types in NCC Climate Zones 2 to 8

■ Specification Notes

DuPont™ Tyvek® HomeWrap®:

- Is not to be exposed to the elements beyond 120 days
- Is to be installed in accordance with DuPont™ Tyvek® HomeWrap® Installation Guide – Australia
- Should not be used as a roof sarking / underlay
- Should be stored in a cool, dry area, away from direct sunlight (UV exposure)

■ Green Star Compliant

The use of Tyvek® HomeWrap guarantees the use of ODP free insulation while also ensuring that no harmful levels of Volatile Organic Compounds (VOCs) are released. This allows the incorporation of environmentally preferable insulation whilst also maintaining indoor air quality.

