

Dupont™ Tyvek® HomeWrap®

A breathable wall wrap

Product description and typical applications

Dupont™ Tyvek® HomeWrap® helps protect a home against damaging wind and rain that can penetrate through the exterior cladding. The unique woven structure of Dupont Tyvek Homewrap blocks excess water from entering into walls.

The breathable structure of this house wrap allows moisture vapour to pass through to help promote drying in wall systems which can aid in preventing the growth of mold and mildew.

The unique non-woven fibre structure of Dupont™ Tyvek® HomeWrap® stops all movement through the walls helping to provide a more energy efficient home.

Physical characteristics

Roll Size	Width	Length	Area	Weight
	2743mm	30m	82m ²	5kg
	3048mm	30m	91.4m ²	5.6kg

Property description	Test method	Specification requirements			AWTA test result				
Tensile strength	AS1301.448	Machine direction Duty	Heavy	12.5	4.6 KN/m				
			Medium	9.5					
			Light	7.5					
			Extra Light	6.0					
			Lateral direction Duty	Heavy		7.5	5.2 KN/m		
				Medium		6.0			
		Light		4.5					
		Extra Light		3.5					
		Edge tear resistance		TAPPIT470	Lateral direction Duty	Extra Heavy		90	(MD) 225N (MD) 216N
						Heavy		80	
			Medium			65			
			Light			45			
Extra Light	30								
Bursting strength	AS2001.2.19		Light duty			200N	225N		
Vapour barrier	ASTM E96	High duty	≥0.00µg N.s	1.8mg/N.S					
Medium	0.002 - 0.014µg/N.s								
Low duty	>0.1400µg/N.s								
Unclassified									
Water barrier	AS1736 (AS / NZS 4201.4)	High duty	Shall pass	PASS					
Absorbency	AS / NZS 4201.1	High duty	>100g/m ²	33g/m ²					
Dry delamination	AS / NZS 4201.1	Shall pass		PASS					
Wet delamination	AS / NZS 4201.2	Shall pass		PASS					
Folding endurance**	AS1301.423	Machine direction 72.0 (log 100)		>2.0 (log100)					
		Machine direction 71.7 (log 50)		>2.0 (log100)					
Shrinkage	AS1736 (AS / NZS 4201.3)	Not greater than 0.5%		+0.3%					
Flammability index	AS1530.2	Not greater than 5		3					
Emittance*	ASTM E408 (AS / NZS 4201.5)	Reflective	<0.05	0.51					
		Classification value 0.06 - 0.99							
		Non-reflective 1.00							

*Test conducted by University of WA - Dept of Mech and Materials Engineering

**Test conducted by CSIRO Division of Forestry and Forest Products

DuPont™
Tyvek®
HomeWrap®

Fletcher™
Insulation

We safely deliver extraordinary
value to our customers

Installation

Dupont™ Tyvek® HomeWrap® requires to be fixed securely to frame using tool fasteners every 600mm horizontally and every 600mm vertically, or by using staples and strapping every 600mm.

Product must not be installed in areas where winds exceed 120kph and external cladding need to be installed within 2 months.

Dupont™ Tyvek® HomeWrap® passes AS/NZS 4200 for pliable guiding membranes. Dupont™ Tyvek® HomeWrap® should not be used under roofs. Due to the lightness of the product wind may cause excessive flapping and noise.

Specification Notes

When specifying state the following:

Product name: Dupont™ Tyvek® HomeWrap®

Application: Residential wall wrap.

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