



Class A2 Fire Retardant AVCL Membrane DuPont™ AirGuard® A2 FR

Airtight Vapour Control Layer for use within the internal lining of roof, ceiling and wall systems



Reaction to Fire:
Class A2-s1,d0



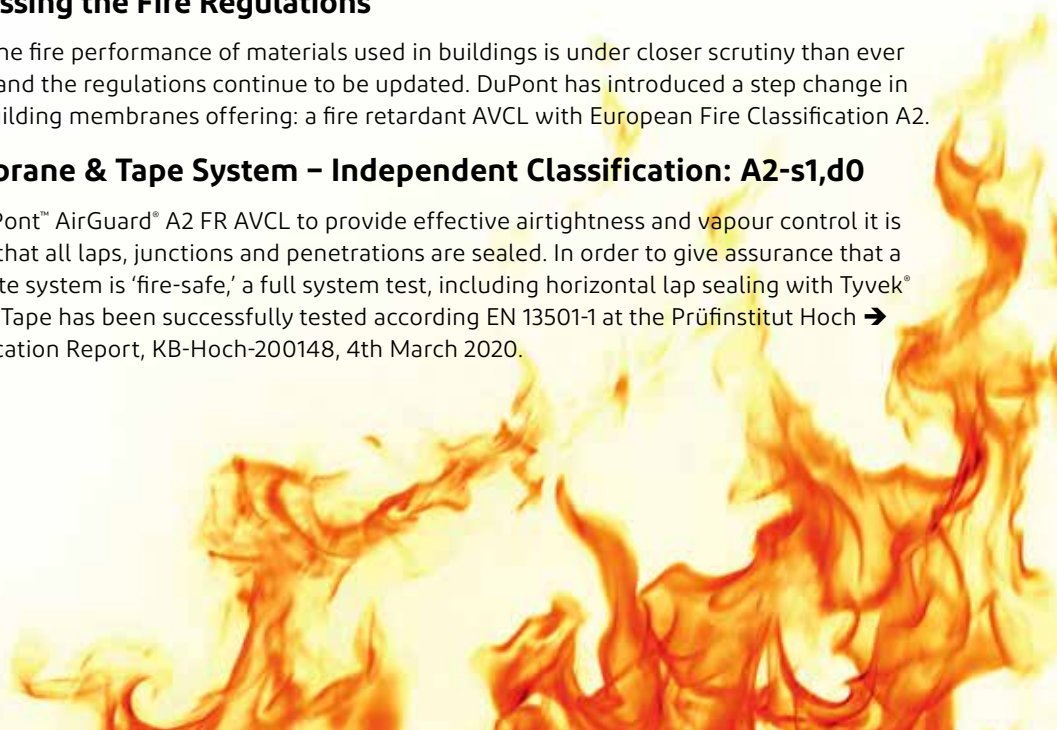
DuPont™ AirGuard® A2 FR AVCL: a fire retardant Airtight Vapour Control Layer for use within the internal lining of roof, ceiling and wall systems. Enhancing the building fabric in terms of airtightness, energy efficiency and moisture management, improving indoor air quality and providing exceptional fire safety to the building and its occupants.

Surpassing the Fire Regulations

Today the fire performance of materials used in buildings is under closer scrutiny than ever before and the regulations continue to be updated. DuPont has introduced a step change in their building membranes offering: a fire retardant AVCL with European Fire Classification A2.

Membrane & Tape System – Independent Classification: A2-s1,d0

For DuPont™ AirGuard® A2 FR AVCL to provide effective airtightness and vapour control it is crucial that all laps, junctions and penetrations are sealed. In order to give assurance that a complete system is 'fire-safe,' a full system test, including horizontal lap sealing with Tyvek® 2060M Tape has been successfully tested according EN 13501-1 at the Prüfinstitut Hoch → Classification Report, KB-Hoch-200148, 4th March 2020.



DuPont™ AirGuard® A2 FR AVCL & Tape system - advantages at a glance


- Fire retardant
- Reaction to fire: A2-s1,d0 to EN 13501-1: 2007+A1:2009
- System classification: DuPont™ AirGuard® A2 FR AVCL and Tyvek® 2060M tape



**Tyvek® Metallised tape
2060M**

- Suitable for all building types, heights and proximities
 - High vapour resistance, limiting interstitial condensation
 - Suitable for high humidity buildings, such as swimming pool halls, etc.
 - Thermal benefit; low emissivity/reflective surface
 - 100% Airtightness
 - Extremely robust
 - Exceptional tear and tensile strength characteristics
 - 25 year warranty
- Tested and classified for free-span, on mineral wool slab, gypsum plasterboard or fibre cement board
 - Surpasses Building Regulations Approved Document B (1 & 2)

DuPont™ AirGuard® A2 FR AVCL

Properties 	Nominal
Style name and D Code	5816X (D Code: - D15549582)
Roll size	1.5 x 50 m
Thickness	0.15 mm
Mass per unit area	165 g/m ²
Composition	Laminate of glass fibre-mesh with lacquered Aluminium foil
Reaction to fire* (EN13501-1)	A2-s1,d0 (membrane)
Reaction to fire* (EN13501-1)	A2-s1,d0 (membrane & Tyvek® 2060M tape)
Water vapour transmission (Sd)	4,900 m
Water vapour resistance	24,000 MN.s/g
Emissivity	0.05
Thermal resistance (with airspace)	Walls: 0.66 m ² K/W Ceilings: 0.45 m ² K/W
Water tightness (EN1928)	Pass (Type A)
Tensile force MD/XD	800/800 (N/500)
Nail tear resistance MD/XD	170/150 (N/50 mm)

IMPORTANT: To compliment this product, a flame retardant breather membrane should be used on the external side of the wall system. For this purpose, we would recommend you use DuPont™ Tyvek® FireCurb® Housewrap. Please see www.flameretardant.tyvek.com

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* The 25 Year Warranty only applies to the AirGuard® A2 FR product's performance. Warranty document available on request.

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