



Essential DuPont™ Tyvek® and DuPont™ AirGuard® tapes, spray foams and accessories

Create windtight, airtight and watertight seals with DuPont™ Tyvek® and DuPont™ AirGuard® tapes and accessories

The energy efficiency of domestic and non-domestic buildings is, to a great extent, dependant on the continuity of materials used in the building envelope. The range of accessories has been developed to complement and enhance building envelope solutions with Tyvek® and AirGuard® membranes.



What do you want your project to achieve?

		Using Tyvek® and AirGuard®
Environmental Focus	Reduce waste, increase performance, extend durability	✓
Energy Efficiency	Save resources, energy and costs	✓
Air Quality	Reduce ingress of pollution into internal space	✓
Comfort	Increase internal building occupancy comfort	✓
Airtightness	Stop or reduce unintentional air leakage	✓
Durability	Extend life cycle performance of building	✓
Weather Proofing	Prevent water ingress, weather damage and provide wind tightness	✓

«DUPONT»
Tyvek®

«DUPONT»
AirGuard®

«DUPONT»
Insta Stik™

«DUPONT»
Froth-Pak™

«DUPONT»
Great Stuff™



Products not to scale.

Helping to:

- Reduce or avoid air leakage through the building envelope
- Reduce or avoid wind washing
- Reduce or avoid dust and pollen penetration
- Prevent animals (birds, insects...) from nesting and damaging a range of materials and the performance of the building over time

Why are high performance DuPont™ Tyvek® and DuPont™ AirGuard® tapes essential?

Choose your tapes carefully: many on the market don't offer essential long-term performance, but our tried and tested tapes do and they are competitively priced for the product value and peace of mind delivered

Basic Issues	Benefits of Tyvek® and AirGuard® tapes, sealants and accessories	Financial and Time Savings	Safety, Health and Environment	Extended Building performance over time
Building Regulations and your customers' requirements and expectations	Satisfies the air permeability requirements of current regulations. Sealing numerous air leakage points. Avoiding delays and penalties.	✓	✓	✓
Airtightness and Energy Efficiency targets	Ensures performance “as designed” including other systems' performance e.g. MVHR. A more stable environment for other components e.g. Timber meeting low carbon and/or Passive standards	✓	✓	✓
Smoke and Fire Safety	Reduces risk of spread of smoke and fire	✓	✓	✓
Indoor Air Quality	Reducing VOCs and pollution entry	✓	✓	✓
Energy Loss: heat escaping, cold air coming in, wind washing	Increases energy efficiency, reduced waste	✓	✓	✓
Ease of Installation	Improves productivity, saving time and money	✓	✓	✓
Durable, long lasting	Reduces need for additional work and repairs	✓	✓	✓
Material Compatibility	Tyvek® & AirGuard® tapes suitable for use with Tyvek® & AirGuard® membranes and numerous other products/materials	✓	✓	✓
Plastering and Rendering	Providing key for plaster or render (only relevant Tyvek® Window/Plastering tapes)	✓	✓	✓
Pitched Roofs in all geographical areas	Unrestricted compliance with BS5534 plus reduced wind washing effect on insulation	✓	✓	✓
Holistic Solution – a system approach	Component suitability - meeting compatibility with regulations	✓	✓	✓

Tyvek® Acrylic Tape (2060B)

Single-sided DuPont™ Tyvek® (HD-PE) with modified acrylic adhesive with or without a paper split-release liner.

- Suitable for sealing membrane laps, but particularly suitable for making good around penetrations and for damage repair for most Tyvek® underlays and AirGuard® vapour control layers
- With a split liner it is ideal to seal the AirGuard® vapour control around windows and doors



Dimensions	75mm x 25m without split liner
	60mm x 25m with split liner
Rolls per box	75mm: 8
	60mm: 10

Tyvek® Metallised Tape (2060M)

Single-sided reflective tape for sealing laps of Tyvek® Reflex, AirGuard® Reflective and AirGuard® Reflective E.

- Ideal for making good around penetrations, pipework, windows and doors
- Made of metallised Tyvek® and modified acrylic adhesive
- Provides a durable bond



Dimensions	75mm x 25m
Rolls per box	75mm: 8

DuPont™ AirGuard® Tape (1310V)

High performance airtight vapour control layer overlap tape, that is very flexible, hand-tearable with a very high tack that sticks on all smooth or rough surfaces such as membranes, timber, steelwork and UPVC.



Dimensions	60mm x 25m
Rolls per box	60mm: 10

DuPont™ AirGuard® FR System Tape (1310FR)

A high performance, reflective, single-sided Air & Vapour Control Layer Tape (ACVL), with European fire class A2 in combination with DuPont™ AirGuard® A2 FR AVCL. Dedicated for use with DuPont™ AirGuard® A2 FR AVCL for airtight sealing of laps, joints, functions, windows and doors and sealing around penetrations such as pipework, wiring and structural elements.



Dimensions	75mm x 25m
Rolls per box	20

Tyvek® FlexWrap EZ and NF (2064FW and FLEXNF)

- High performance flexible self-adhesive flashing tape.
- Significantly helps in facilitating the creation of airtight and water tight seals around windows, doors, chimney breasts, pipe penetrations and any custom shapes
- Designed to ensure continuity, compatibility and integrity with all Tyvek® breather membranes and AirGuard® air and vapour control layers.



Dimensions	60mm x 10m (EZ)
	152mm x 23m (NF)
	228mm x 23m (NF)
Rolls per box	60mm: 3 (EZ)
	152mm: 1 (NF)
	228mm: 1 (NF)



ELONGATION (Stretch capability)

- Tyvek® FlexWrap NF - approx. **160%** (2.6 times original length)
- Tyvek® FlexWrap EZ - approx. **130%** (2.3 times original length)

Tyvek® (Window sealing) Plastering (and Rendering) Tape (1310PT)

A high performance airtight and moisture adaptive carrier tape that can be plastered over. It seals difficult areas, such as around windows and doors and timber to block connections – one product that fits application outside and inside.

Dimensions	80mm x 25m
	150mm x 25m
Rolls per box	80mm: 6
	150mm: 4



Tyvek® Double-sided Tape (1310D)

Double-sided acrylic tape ideal for sealing overlaps and bonding Tyvek® membranes to smooth surfaces.

- Excellent adhesion properties under extreme humidity conditions
- Strong initial tack
- Recommended for Tyvek® UV Façade, but suitable for all Tyvek® membranes and AirGuard® air and vapour control layers (AVCL)

Dimensions	50mm x 25m
Rolls per box	50mm: 12



Tyvek® Double-sided Tape (1310D)

Double-sided acrylic tape ideal for temporary fixings of a vapour control layer and limited space detailing.

Dimensions	20mm x 25m
Rolls per box	20mm: 10



Tyvek® Butyl Tape (1311B)

Double-sided butyl based sealant, used to form a moisture and airtight seal between a Tyvek® membrane or an AirGuard® air and vapour control layer and most commonly used building materials.

- The product is compatible with brickwork, blockwork, masonry, timber, metalwork and most plastic products
- Tyvek® Butyl Tape is most effective when used under compression, e.g. under a timber batten and is recommended for use at perimeters, chimneys, abutments and for sealing nail penetrations and around electrical sockets

Dimensions	20mm x 30m
	50mm x 30m
Rolls per box	20mm: 8 (For internal detailing only)
	50mm: 4



Tyvek® UV Façade Tape (1312F)

- Single-sided acrylic tape with high UV resistance.
- Especially designed for sealing Tyvek® UV Façade overlaps, penetration and joints in a durable and non-contrasting manner.
- Excellent ageing and outdoor performance.
- High resistance to water penetration



Dimensions	75mm x 25m
Rolls per box	75mm: 8

Tyvek® Primer (1310P)

Transparent primer that is permanently tacky after curing and with very fast curing time. It is recommended for very porous surfaces to create a good adhesion.

Capacity	1L
Bottles per box	6



DuPont™ AirGuard® Sealant (1211S)

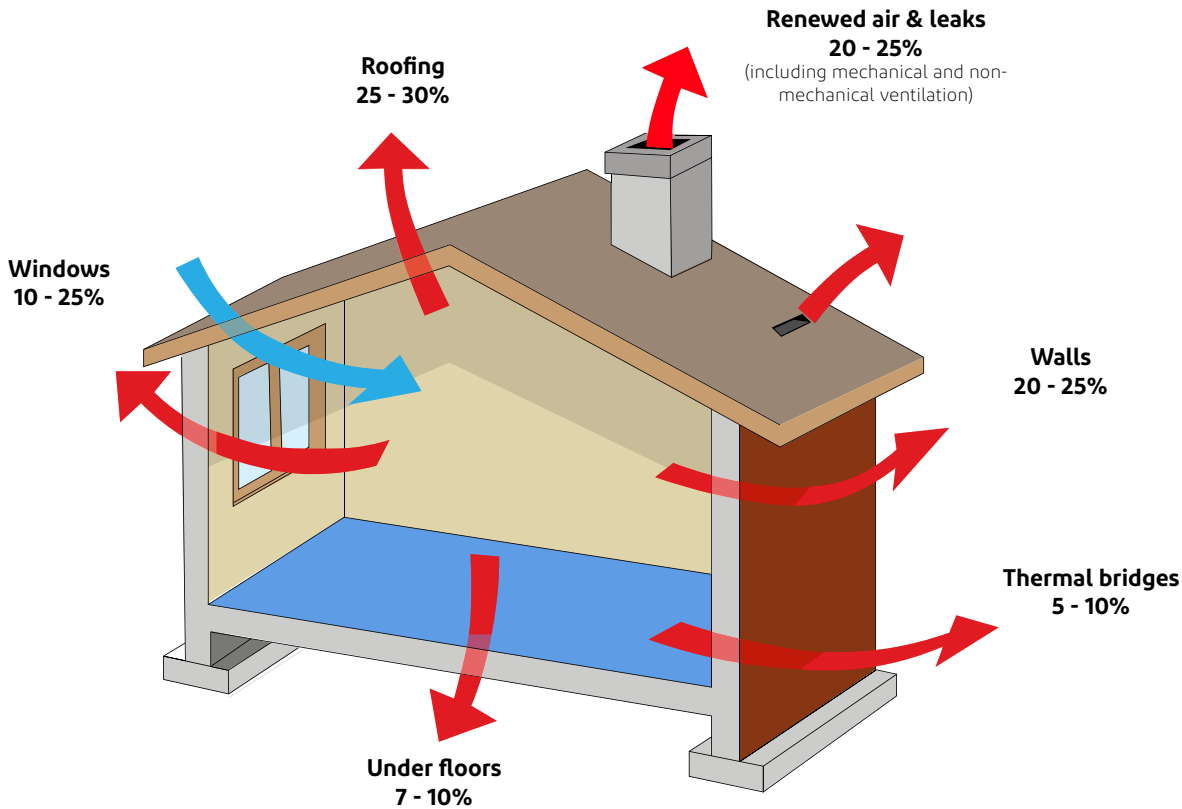
An adhesive sealant for permanently elastic, airtight bonding of joints and structural connections as well as connections of vapour control layers to many surfaces. It provides excellent adhesion to most surfaces such as stone, concrete, plaster, plasterboard and wood.

Capacity	310ml
Cartridges per box	20



Heat loss in buildings

In new (energy efficient) houses: Sources of heat loss



Graph source: IFSB Luxembourg

Natural ventilation within buildings will always be needed to provide the occupants with fresh air. As well as to extract moisture, and to provide combustion air for unflued appliances, it will ensure the safety and comfort of occupants by reducing potential build-up of VOC's. Ventilation should be controllable, but even so it will contribute to a higher air exchange and consequently heat from the building via this mechanism will be lost. When planning the airtightness target, it is always worth taking into consideration that ventilation can account for up to 25% of the heat lost and therefore aiming for an efficient airtightness level is good forward thinking. In energy-efficient buildings it is important to strike a balance between airtightness, ventilation and thermal efficiency to establish the ideal indoor environment for the occupants. Heating and cooling costs can be reduced and mould and decay within the structure can be prevented.

Sealing penetrations to minimise the spread of fire and smoke

Important:

Please take care to avoid leaving any gaps (pipework, ducting and cable penetrations, open joints, joists, doors and windows) that could allow smoke and/or fire to permeate the structure by using the appropriate tapes or other sealing products.

Spray Polyurethane Accessories- Sealants, Adhesives and Insulation*

DuPont™ Great Stuff™ All Direction Straw Foam

All direction Spray Polyurethane Foam

- **Composition:** One component, moisture curing, Polyurethane foam
- **Product size:** 150ml, 300ml, 500ml and 750ml cans
- **Dispenser:** Plastic Straw included
- Expanding foam, can be sprayed with the can in every position, works any way up
- Bonds to Masonry, Metal, Glass, wood and most plastics



DuPont™ Great Stuff™ Pro Fixer Window & Door

Minimal expansion Spray Polyurethane Sealant

- **Description:** Spray Polyurethane foam sealant for Windows and Doors
- **Composition:** One component, moisture curing, Polyurethane foam
- **Product size:** 750ml cans
- **Dispenser:** Spray Gun (not included)
- Bonds to Aluminium, PVC, Masonry, Metal, Glass, wood and most plastics



DuPont™ Great Stuff™ Pro Fire Rated Foam

Regular expansion Spray Polyurethane Sealant Fire Rated

- **Foam colour:** Pink foam for easy identification
- **Composition:** One component, moisture curing, Polyurethane foam
- **Product size:** 750ml cans
- **Dispenser:** Straw (Plastic Straw included) / Spray Gun (not included)
- Spray Polyurethane foam sealant Fire Rated / B1 Fire Rated according to DIN 4102
- 5 hours fire rating obtain with a concrete gap size of 15mm x 220mm according to the BS 476 Pt 20:1987
- Different gap size and material will impact the fire performance
- Bonds to Masonry, Metal, Glass, wood and most plastics, for other surfaces please contact DuPont
- Noise reduction according to EN ISO 717-1:2013 up to 58dB



DuPont™ Great Stuff™ Pro Gaps & Cracks

Spray Polyurethane expanding foam

- **Composition:** One component, moisture curing, Polyurethane foam
- **Product size:** 750ml cans
- **Dispenser:** Spray Gun (not included)
- Spray Polyurethane foam gap filler and cracks
- Bonds to Masonry, Metal, Glass, wood and most plastics, for other surfaces please contact DuPont



DuPont™ Insta Stik™ Multi-Purpose Fast Cure

Spray Polyurethane foam adhesive

- **Description:** Spray Polyurethane foam adhesive
- **Composition:** One component, moisture curing, Polyurethane foam
- **Product size:** 750ml cans
- **Dispenser:** Straw (Plastic Straw included) / Spray Gun (not included)
- Fast curing
- B2 Fire Rated according to DIN 4102, for thickness up to 10mm
- Adhesion to Plasterboard, Insulation boards (PU, PIR, MW, XPS, EPS), Timber, Blockwork, Bricks, Glass, Metal, Roof tiles, for other surfaces please contact DuPont
- Adheres up to 15m² with one can
- Can be used horizontally or vertically



DuPont™ Insta Stik™ Flex +

Spray Polyurethane Flexible foam adhesive

- **Description:** Spray Polyurethane Flexible foam adhesive
- **Composition:** One component, moisture curing, Polyurethane foam
- **Product size:** 750ml cans
- **Dispenser:** Straw (Plastic Straw included) / Spray Gun (not included)
- Fast curing
- Noise reduction according to EN ISO 717-1:2013 up to 60dB
- Airtightness according to EN 12114 of 600Pa
- B2 Fire Rated according to DIN 4102, for thickness up to 20mm
- Adheres to Aluminium, PVC, timber, Blockwork, Bricks, Glass, Metal, Roof tiles



DuPont™ Froth-Pak™

Spray Polyurethane Insulation

- **Description:** Spray Polyurethane foam insulation
- **Composition:** Two component Polyurethane foam (Component A MID, Component B Polyol)
- **Product Variant:** QR (quick rise), SR (slow rise), HD (high density)
- **Product size:** 2 x 5,5 kg (FP180), 2 x 23 kg (FP600)
- **Dispenser:** INSTA-FLO™ Gun (not included in FP600, include in the FP180)
- Supplied in the UK by DuPont BKC, Bristol, UK
- Adheres to timber, Blockwork, Bricks, Glass, Metal, Roof tiles, PVC, Aluminium and most plastics



* For where to buy (UK and Ireland) information on any of the above SPU products please contact the DuPont™ Tyvek® Building Knowledge Centre, Bristol, UK

Product Data

Composition
Product thickness (mm)
Functional layer thickness (mm)
Weight (g/m²)
Roll width (m)
Roll length (m)
Roll weight (kg)
Rolls per pallet









Performance characteristics	British/European Standard
Water vapour resistance (MN.s/g)	EN ISO 12572
Sd (m)*	EN ISO 12572
Water Resistance	EN 1928 (A)
Water Head (m)	BS EN ISO 811
Air Permeability (m³/m²/hr at 50Pa)	EN 12114
Air resistance / permeance	ISO 5636/5 (Gurley)
Tensile strength (N/5cm)	EN 12311-1 (MD/XD)
Elongation (%)	EN 12311-1 (MD/XD)
Nail tear resistance (N)	EN 12310-1 (MD/XD)
Fire classification	EN 13501-1
Thermal resistance (Airspace) (m²K/W)	BS EN ISO 6946
CE Certification 	EN 13859-1 EN 13859-2 EN 13984





Table last updated 12th October 2021 please check for any more recent updates

Vapour Permeable Membranes (External)

Roof	
Tyvek® Supro/Supro Plus BBA Certificate 08/4548	Tyvek® Metal
	
HDPE and PP	HDPE and PP with PP mesh
0.49	7.4
0.175	0.220
145	407
1.0 / 1.5 / 3.0	1.5
50	25
7.5 / 12 / 22	14.6
24 / 30	4
Tyvek® Supro/Supro Plus (2507B)	Tyvek® Metal (2510B)
0.1	0.156
0.02	0.03
W1	W1
2.0	>2.0
<0.23	<0.1
-	-
290/235	340/280
13 / 21	12/18.5
180/205	165/175
E**	E**
-	-
Yes Yes -	Yes Yes -

Wall				
Tyvek® Housewrap BBA Certificate No 90/2548	Tyvek® Reflex BA Certificate90/2548	Tyvek® StructureGuard™ BBA Certificate No 90/2548	Tyvek® UV Facade/ Facade Plus BRE Certificate No 155/10	Tyvek® FireCurb® Breather Membrane BBA Certificate 90/2548
				
HDPE	Metalised HDPE	HDPE	HDPE and black PP	HDPE with char layer
0.175	0.220	0.175	0.60	0.175
0.175	0.220	0.175	0.22	0.175
63	83	58	195	68
1.4 / 2.8	0.48 / 1.5 / 2.7 / 3.0	0.75 / 1.4 / 2.7	1.5 / 3.0	1.5
100	100	100	50	50
9 / 18	4.2 / 13 / 25 / 29	4.5 / 8.7 / 17.4	16 / 31.5	6
20 / 35	80 / 24 / 20 / 20	35 / 24 / 24	24	24
Tyvek® Housewrap (3060B)	Tyvek® Reflex (3583M)	Tyvek® StructureGuard™ (1560B)	Tyvek® UV Facade (2524B)	Tyvek® FireCurb® Breather Membrane (2066B)
0.5	0.15	0.075	0.175	0.075
0.01	0.03	0.015	0.035	0.015
W1	W1	W1	W1	W1
1.5	2.0	2.0	3.0	1.4
<2	< 0.05	≤0.25	<0.1	<2
-	-	-	-	-
310/310	250/210	165/135	390/320	275 / 275
17/20	10/13	9/14.5	13/19	15/18
55/50	90/85	60/60	310/370	41 / 36
E**		E**	E** & D-s1,d0****	B-s1,d0*** & D-s2,d0****
-	0.57	-	-	-
- Yes -	Yes Yes -	Yes Yes -	Yes Yes -	- Yes -

AVCL's (Internal)

Roof • Wall • Floor			
DuPont™ AirGuard® Reflective BBA Certificate: 90/2548 and 08/4548	DuPont™ AirGuard® Control BBA Certificates 90/2548 and 08/4548	DuPont™ Tyvek® AirGuard® Smart BBA Certificate July 2021	DuPont™ AirGuard® A2 FR
			
HDPE, PP and aluminium	PP with copolymer	HDPE with polymeric coating	Glass fibre and aluminium
0.43	0.32	0.2	0.15
-	-	-	-
149	108	92	165
1.5	1.5 / 2.8	1.5	1.2
50	50	50	50
12.0	8.5 / 19	12	10.4
25	24	24	25
DuPont™ AirGuard® Reflective (5814X)	DuPont™ AirGuard® Control (8327AD)	DuPont™ Tyvek® AirGuard® Smart (2009B)	DuPont™ AirGuard® A2 FR (5816X)
10,000	25	1 to 182	24,000
2,000 (>500)	5	0.2 to 35	4,900
pass	pass	W1	pass
-	-	3.0	-
-	-	-	-
>2,000s	>2,000s	>2,000s	>2,000s
440/210	200 / 175	390 / 380	800/800
25 / 21	40 / 40	16 / 19	4/4
210 / 210	210 / 220	75 / 65	170/150
E	E	E	A2-s1,d0***
Roof: 0.45, Wall: 0.67	-	-	Roof: 0.45, Wall: 0.66
- - Yes	- - Yes	- - Yes	- - Yes

* tested acc.to EN ISO 12572 climate C (multilayer method). ** installed on mineral wool. *** Installed free-span and on materials with at least A2-s1, d0 classification to EN 13501-1. ****installed on timber.

Product Data	Acrylic Tapes				
	Tyvek® Acrylic Tape	Tyvek® Acrylic Tape with split-release liner	Tyvek® Metallised Tape	Tyvek® UV Facade Tape	Tyvek® Double Sided Tape
Product Style Code	2060B	2060B	2060M	1312F	1310D

Product Type	Single-Sided	Single-Sided	Single-Sided	Single-Sided	Double-Sided
Composition	Spunbonded polyethylene /single sided acrylic adhesive	Spunbonded polyethylene /single sided acrylic adhesive	Spunbonded polyethylene / single sided acrylic adhesive / metallised paper release liner	Single-sided acrylic tape / high UV-stabilised Polypropylene	PES/PVA-grid / acrylic adhesive / paper liner
Thickness (mm)	0.3	0.3	0.3	0.7	0.15
Weight (g/m²)	320	220	320	410	220
Roll width (mm)	75	60	75	75	50
Roll length (m)	25	25	25	25	25
Roll weight (kg)	0.62	0.45	0.62	0.7	0.3
Rolls/Tubes/Bottles per pallet/box	8	10	8	8	12

Internal use	X	X	X		X
External use	X	X	X	X	X

Overlaps and overall repair	DuPont™ Tyvek® underlays for roof (EN13859-1)	●	●	●	●	●
	DuPont™ Tyvek® underlays for walls (EN13859-2)	●	●	●	●	●
	DuPont™ Tyvek® UV Facade (EN13859-2 with open joints)				●	●
	DuPont™ AirGuard® AVCL all applications (EN13984)	●	●	●	●	●
Material compatibility and recommended use	Masonry / concrete / render (smooth)	●	●	●	●	●
	Brick / block / concrete / render (rough)	●	●	●	●	●
	Plasterboard	●	●	●	●	●
	Eaves Carrier					●
	Window / door frames (PVC, Wood, Aluminium)	●	●	●	●	●
	OSB & Wood fibre	●	●	●	●	●
	Timber (rough, sawn)	●	●	●	●	●
	Timber (planed)	●	●	●	●	●
	Metal (aluminium, steel, copper, ...)	●	●	●	●	●
	Construction membranes (PE, PVC, PP, PES, Alu, ...)	●	●	●	●	●
Penetrations & other applications	Pipe penetrations (plastic & metal)	●	●		●	
	Wiring / cable penetrations	●	●		●	
	Around electrical sockets	●	●		●	
	Windows & Doors to timber frame (inside)	●	●			
	Windows & Doors to timber frame (outside)	●	●		●	
	Windows & Doors to bricks & blocks (inside) *	●	●			
	Windows & Doors to bricks & blocks (outside) *	●	●		●	
	Plasterable or under rendering *					
	Temporarily fixing AVCL to rafters					●

* Necessity for primer application (Yes/No): see under material compatibility and recommended use

■ recommended to use primer - ● recommended and designed for - ● works out properly but not designed for

Product Line			
Tyvek® Double Sided Tape (detailing)	Tyvek® Window Tape	DuPont™ AirGuard® Tape	DuPont™ AirGuard® FR System Tape
1310D	1310PT	1310V	1310FR



Double-Sided	Single-Sided	Single-Sided	Single-Sided
PES/PVA-grid / acrylic adhesive / paper liner	PET/PA film/acrylic adhesive / PP liner	PE film / acrylic adhesive / PP liner	Glassfibre & Aluminium / acrylic adhesive / paper liner
0.15	0.3	0.3	0.15
220	300	375	215
20	80 150	60	75
25	25	25	25
0.15	0.6 1.13	0.6	0.57
10	6 4	10	20

X	X	X
	X	

A 10x10 grid of colored dots (green and orange) with two shaded horizontal bands. The first band is at row 4, columns 1-4. The second band is at row 5, columns 1-4. The grid contains 10 green dots and 10 orange dots.

Butyl Tapes		
Tyvek® Butyl Tape	FlexWrap NF	FlexWrap EZ
1311B	FLEXNF	2064FW

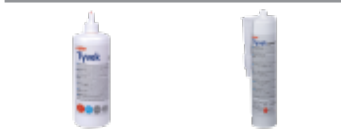


Double-Sided	Single-Sided	Single-Sided
100% butyl mastic / siliconised paper liner	A crimped DuPont™ Tyvek® top sheet / butyl mass	A crimped DuPont™ Tyvek® top sheet / butyl mass
1.2	1.6	1.6
1560	1200	1200
50	152	60
20	228	
30	23	10
2.5	4.4	1.1
1.0	7.5	
4	1	3
8		

X	X	X
X	X	X

[illegible]

Accessories	
Tyvek® Primer	DuPont™ AirGuard® Sealant
1211S	



Bottle	Cartridge
1 litre	310ml
6	20

X	X
X	

[illegible]

DuPont™ FlexWrap Tapes

Saving time and money to make a more durable seal



Tyvek® FlexWrap NF
Length: 23 m
Width: 15 cm and 22,8 cm
(For NF products other widths are available)



Tyvek® FlexWrap EZ
Length: 10 m
Width: 60 mm



Flexible and expandable high performance tapes for air and water tight seals around roof, ceiling and wall penetrations

Applications:

- Building penetrations including roof and window junctions (VCL/frame interface), pipes, brackets, vents, cables and other openings to resist air, wind & water ingress
- For external application behind a building facade or roof covering and internal air and vapour sealing
- For floor to wall seals (using appropriate surface primer where required)
- Suitable for gap closures where a small amount of building material movement over time may affect the performance of other products

Benefits:

Superior protection /air and watertight seals

- Helps seal the building envelope
- Creates more airtight seals compared to standard tapes used on irregular shapes/ penetrations

Easy installation

- Packaged in ready-to-use rolls
- No requirement for additional fixings
- Approx. 50% quicker to fit compared to standard tapes and seals

Superior durability

- Extendable tape constructed with a durable Tyvek® top-sheet, a premium butyl adhesive layer, and a specially designed split release liner
- Allows for structural movements
- Good UV resistance (should be covered within 4 months)

Excellent adhesion performance

- Ensures continuity, compatibility and integrity with all Tyvek® breather membranes, AirGuard® AVCLs and other membranes at penetrations
- 100% butyl adhesive performs over a wide temperature range
- Compatible with most common building materials

DuPont™ FlexWrap NF and EZ Tapes Flexible and Expandable

Installation around pipes



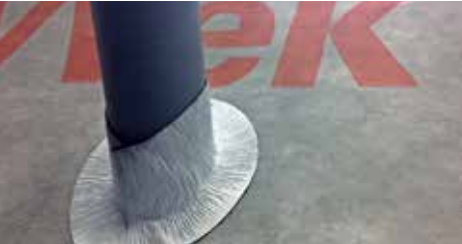
Installation around windows



Installation around beams and joists



Installation around pipes (EZ)



Technical Data	FlexWrap NF	FlexWrap EZ
Coverage	3.4 m²	0.6 m²
Colour	white (black adhesive)	white (black adhesive)
Rolls per box	1	3
Temperature resistance	from - 30 °C till + 80 °C (temporary 100 °C)	from - 30 °C till + 80 °C (temporary 100 °C)
Elongation	ca. 160 % (2.6 x of the original length)	ca. 130 % (2.3 x of the original length)
Installation temperature	> 0 °C	> 0 °C
UV resistance	4 months	4 months

Installation guidelines

Surface preparation

The surface must be free from dirt, moisture, ice, grease and other materials which could reduce the adhesion. Tyvek® FlexWrap is to be installed when dry and at temperatures above 0 °C. Tyvek® Primer may be used to improve adhesion where surfaces are chalky or in low temperatures.

Installation

- Properly position Tyvek® FlexWrap around the surface to seal.
- Minimise wrinkles and bubbles by smoothing the surface and by repositioning as necessary.
- Apply pressure by hand along the entire surface to achieve a good bond to the substrate. (After pressure has been applied repositioning may be difficult.)
- After completion of the installation Tyvek® FlexWrap has to be covered within 4 months with the appropriate building materials.
- For step by step guidance on how to use Tyvek® FlexWrap please see our Installation Guide and videos in the downloads section of our web site www.energy-efficiency.dupont.com or use the QR code below

ELONGATION (Stretch capability)

- Tyvek® FlexWrap NF - approx. 160% (2.6 times original length)
- Tyvek® FlexWrap EZ - approx. 130% (2.3 times original length)

Watch the installation video for more details goo.gl/dZGcqa



What is Air Leakage?

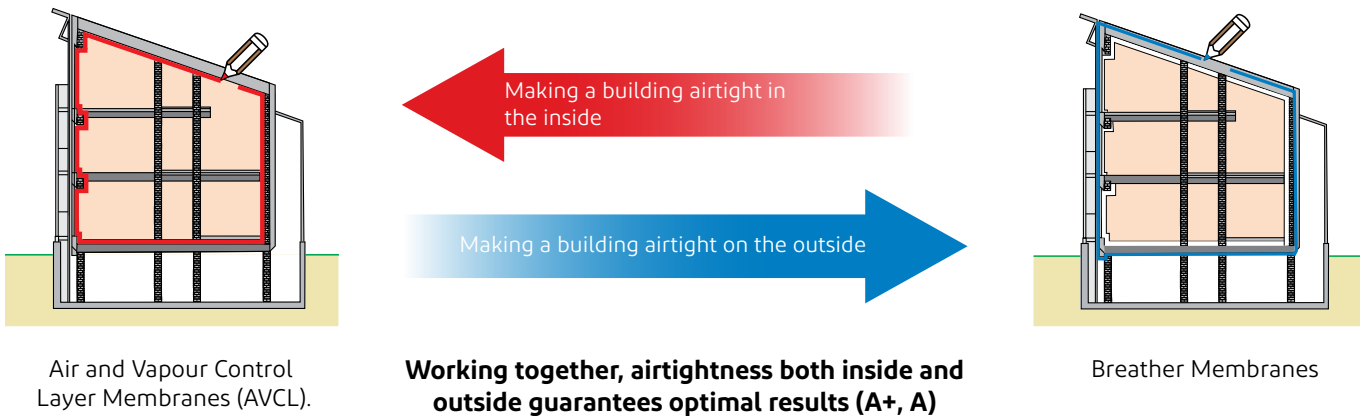
Air leakage is the uncontrolled flow of air through a weakness in the building fabric. It can be heat loss (inside to outside), or air infiltration (cold drafts, airborne smells or noise pollution). Before the advent of double and triple glazing and compressible seals in windows and doors, buildings suffered from unwanted draughts and wasted heat.

Air Leakage:

- Is uncomfortable
- Wastes heat energy
- Is difficult to control
- Jeopardises ventilation

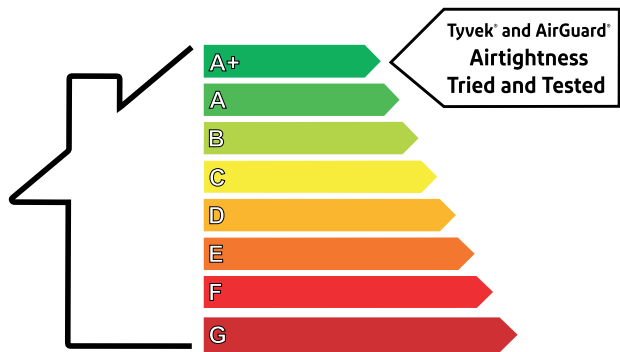
New to Airtightness?

For those who haven't addressed the subject of airtightness before, it may appear complicated and rather daunting. But when you actually look into it, it's usually just a case of identifying the weak points and using the right materials in the right way. There can be many places in the building envelope where AIR LEAKAGE can occur. Some obvious ones like windows, doors, service penetrations, membrane laps and board junctions, but also some obscure ones: steelwork connections, wall ties and fixing points for example. All these details would be addressed independently; some would be unique to the individual project and some common ones that reoccur. Because the environment is extremely important for today's and future generations, over time we will increase our knowledge on the subject, what design solutions are available to us and what products and materials are suitable. Building for airtightness will become second nature! We can then impart our knowledge to others, whether designers or those responsible for installation. After all, detailing and workmanship are fundamental to building airtightness.



Passive Energy Efficiency

Achieving good airtightness in the building envelope will simplify the process for the energy assessor, result in good SAP ratings and meaningful figures in the Energy Performance Certificate (EPC). Energy bills will be lower. We'll all have warm, comfortable buildings: homes, schools, hospitals and places of work. We'll also save energy and will probably add value to the building.



Establishing the Airtightness Line

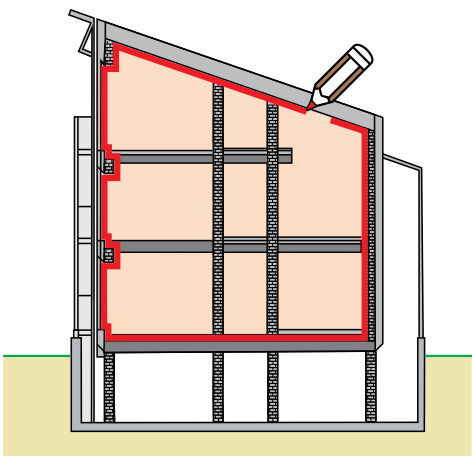
The first thing to determine is where in the building envelope the Airtightness line (AT line) is to be established. It would ideally run continuously throughout the roof, wall and floor elements. All the fixings and services that would potentially penetrate this line will need to be considered before the final decision is made.

Continuity is paramount, so the AT line should be durable and uninterrupted. Various materials and components may be used to form the line, such as membranes, boarding and steelwork, but they should be suitably airtight and continuous. Any joints between materials and breaches through them must be sealed.

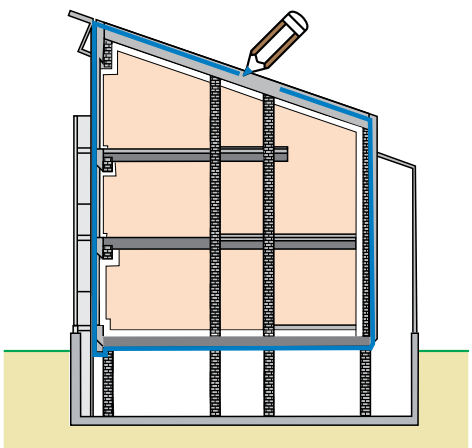
- Establish which plane within the element is to be the AT line
- Consider all fixings & services that will present a breach
- Remember future proofing - interference
- Ensure continuity - seal it!

In the short term think about the building sequence and site handling. For the long term, product durability and whether the building occupiers will inadvertently puncture the membrane (with cupboards, shelves, pictures, etc.). Some of these considerations may determine which plane we make the building envelope airtight:

Internal or External?



The main emphasis within the building element for the AT line is **INTERNALLY**. The component used for this would normally be the AVCL - behind the dry-lining. This membrane also has the important function of providing condensation control within the construction, by limiting vapour drive. To help with appropriate material selection. Please see the Products Application Chart.



The AT line may also be established **EXTERNALLY**, on the cold side of the insulation. It is important that the layer being used for this is vapour-open to avoid trapped moisture within the element. A breather membrane with suitable resistance to air permeability would be ideal. Breather membranes with exceptional durability should be considered to give assurance of long-term performance.

The positioning of the Airtightness line would very much depend on the construction you have, the components you're using, fixings, services and also the sequence of build, particularly where structural steel and/or masonry components are employed.

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- Tyvek® Metal



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 - DuPont™ AirGuard® A2 FR fire retardant AVCL (For use in the internal wall lining)



Low Occupancy buildings .e.g. Detached, Semi-detached, Terraced

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| • Tyvek® Double Sided Tape | • DuPont™ AirGuard® Sealant | • DuPont™ Froth-Pak™ |
| • Tyvek® Butyl Tape | • Tyvek® Window/Plastering tape | |
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- External application
- Internal application

- DuPont™ Tyvek® breather membranes solutions for wall constructions
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 - Tyvek® StructureGuard™
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 - Tyvek® Reflex
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Installation Guide

Plus helpful demonstration videos and product information

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The Installation Guide, Know-how videos, documentation and other information can be easily found on our following web sites:

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If you would like to discuss your project with one of our technical experts please contact the

DuPont™ Tyvek® Building Knowledge Centre in Bristol, UK Tel: 0117 970 9454 or 9455; e-Mail: Tyvek.construction@dupont.com



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The DuPont™ Tyvek® Building Knowledge Centre is a resource for building envelope installation and design best practices. It's a dedicated source for information about evolving building regulations, sustainable building practices and air, water and thermal management, that can help you:

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We also have a Technical Library which has all our data sheets, installation guides & certificates e.g. BBA, NSAI, CE...

You can contact the technical department by email or phone on:

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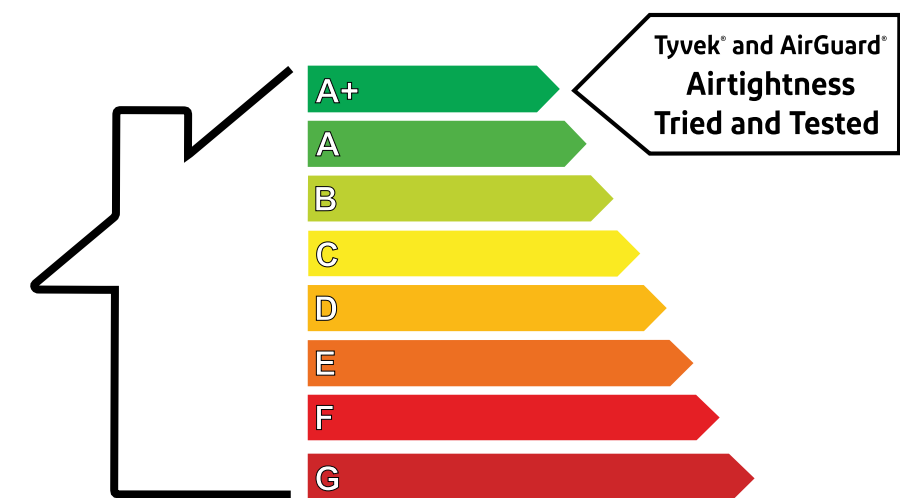


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.e.g. regional manager contact details, technical guidance,
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