

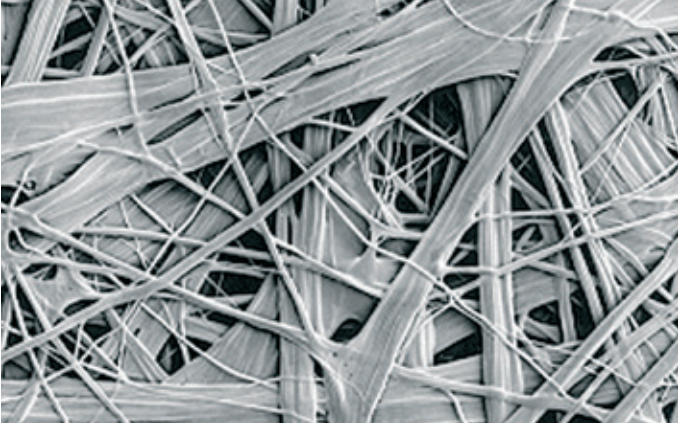


FOR  
GREATER  
GOOD™

**DUPONT™ TYVEK®**

Think twice, build once, trust Tyvek®!





DuPont™ Tyvek® breather membranes offer protection during construction and over the life of a building.



the  
**Original**  
proven since 1990

## Not all membranes are the same Why choose DuPont™ Tyvek® underlays?



### 1. Its exceptionally thick functional layer

The functional layer of Tyvek® is around 6 to 8 times thicker than most standard multi-layer products that are typically 2-3 times thinner than a human hair.



### 2. Superior durability with 'Flash Spun-bond Technology'

Tyvek® is composed of millions of microfibers that create a protective 'maze' of material that guarantees a strong, consistent barrier that lasts.



### 3. Proven watertightness

Recent independent W1 testing of roofs fitted with Tyvek® membranes for over 20 years demonstrate that they outlast many multi-layer underlays (many of which fail after less than 10 years).



### 4. Excellent resistance to damage from UV and heat

Unlike most standard multilayer membranes, the functional layer of Tyvek® is made of 100% high UV and heat stabilised PE. This makes it resistant to UV damage and capable of withstanding temperatures of up to 100 °C



### 5. Tried, tested and certified

Tyvek® membranes reflect the innovation and expertise of DuPont, a company renowned for pioneering innovation and a commitment to quality and customer service





## DUPONT™ TYVEK® SUPRO / SUPRO PLUS

The market-leading breather membrane

**When considering your breather membrane, ask these 3 simple questions:**

**1- Do I need to vent my roof?**

No, Tyvek® Supro / Supro Plus does not need any soffit, tile or ridge ventilation, therefore saving time and money.

**2- Do I need an airspace between the insulation and breather membrane?**

Because the Tyvek® Supro / Supro Plus membrane breathes, it does not need an airspace.

**3- Does the product have the necessary approvals?**

Tyvek® Supro / Supro Plus is fully BBA and NSAI approved, suitable for use in all types of pitched roofs.



- Promotes airtightness and energy efficiency
- Unrestricted, all zones compliance with BS5534:2014 & with BBA & NSAI approval
- Now available in 1m and 1.5 m wide rolls for ease of handling
- Integral adhesive tape for sealing laps
- No separate tapes required
- Minimise the performance gap - performs as designed
- BBA and NSAI certified for non-ventilated pitched roofs
- Recognised as market leading underlay
- Established in the UK for over 25 years
- Full DoP and CE certification

### **ALL BREATHER MEMBRANES ARE NOT THE SAME!**

Choose the market leader Tyvek® Supro / Supro Plus, the reference point in breather membranes.

Try our BRE calibrated wind uplift calculator  
[www.windpressure-calculator.tyvek.co.uk](http://www.windpressure-calculator.tyvek.co.uk)

# Content

Why choose DuPont™ Tyvek® underlays?	3
Your home deserves lifetime protection	8
DuPont™ Tyvek® proven durability - ageing tests results	10
Achieve optimal airtightness and long-term performance	12
Product Portfolio	14
Application table DuPont membranes	16



## DuPont™ Tyvek® roofing underlays

DuPont™ Tyvek® Supro / Supro Plus	18
DuPont™ Tyvek® Metal	19



## DuPont™ Tyvek® solutions for Timber Frame and wall construction

DuPont™ Tyvek® Housewrap	21
DuPont™ Tyvek® StructureGuard™	22
DuPont™ Tyvek® FireCurb® Housewrap	23
DuPont™ Tyvek® UV Façade / UV Façade Plus	24
DuPont™ Tyvek® Reflex	25
DuPont™ Tyvek® e-Guard W1	26



## Energy Efficient Solutions from DuPont™ AirGuard® air & vapour control layer (AVCL)

DuPont™ AirGuard® Control	<b>29</b>
DuPont™ AirGuard® Reflective	<b>30</b>
DuPont™ AirGuard® Reflective E	<b>31</b>
Tyvek® AirGuard® Smart	<b>32</b>



## Tyvek® accessories

Application table Tyvek® tapes	<b>34</b>
DuPont™ Tyvek® Tapes	<b>36</b>
Tyvek® Air & WaterSealant Tapes	<b>38</b>

## Energy Efficient Buildings

Commitment to sustainable solutions	<b>39</b>
-------------------------------------	-----------

# Your home deserves lifetime protection

## An underlay provides a vital secondary water shedding function

Roofing and wall underlays are an important element of high quality pitched roof and cladding constructions. Although these windproof and waterproof membranes only make up an extremely small part of the total thickness of wall and roof structures, their functions in terms of building physics are absolutely vital and need to be preserved for the lifetime of the element they are part of.

- An underlay has to facilitate absolute watertightness of the roof and wall
- An underlay has to protect the insulation thus promoting energy efficiency
- A breather membrane is an important element in maintaining a healthy indoor climate over many years

## What are the risks when your underlay fails?



*Building structure degradation: mould and mildew.*



*Indoor water damages*

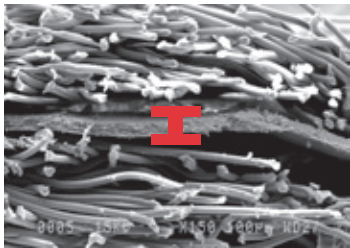


*Insulation inefficiency*

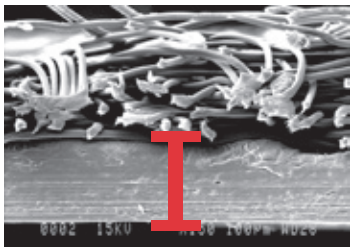


## Don't risk your roof with anything that won't stand the test of time

Whether underlays are supplied as single layer or multi-layer, it is the quality and the thickness of the functional layer which takes care of windproofing, waterproofing and vapour breathability. **Its quality and thickness are key to the durability and effectiveness of the membrane as a whole.**



*Standard multi-layer Membrane:  
30 microns (internally measured)*



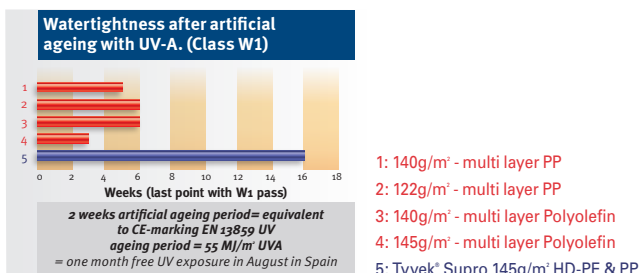
*Tyvek® Supro: 175 microns  
(internally measured)*

However resistant to tearing or elongation during installation a product may be, it can take only a few weeks for the key functionality of watertightness to be degraded. The main factors impairing the effectiveness of underlays are temperature and UV radiation.

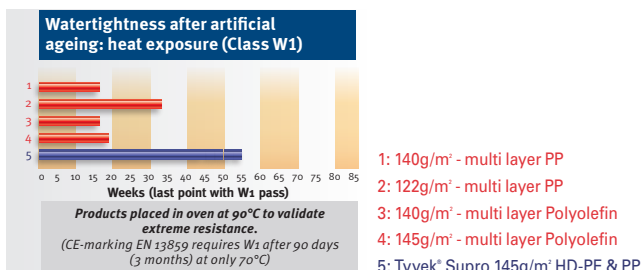
# DuPont™ Tyvek® Proven durability

A comprehensive ageing testing programme was commissioned by DuPont to “SP Technical Research Institute of Sweden (Chemistry and Materials Technology - Polymer technology division)”.

## Not all underlays are what they seem to be



The Tyvek® membranes clearly outperformed all tested multi-layer products for watertightness after long term exposure to UV radiation. Tyvek® resisted 16 weeks of accelerated artificial ageing - a conclusive demonstration of durability.



Tyvek® Supro achieved 55 weeks of heat exposure at 90°C, without failing, demonstrating a massive difference in resistance compared to the multi-layer alternatives. Tyvek® easily maintains its position as the no.1 membrane in terms of superior durability.

# Reality check of 36 roof underlays

Underlay samples were taken from 36 roofs by an independent notified industry expert and tested for watertightness in an accredited laboratory.

## CHEAP PRODUCTS ≤ 10 YEARS



21% WATERTIGHT

## TYVEK® ≥ 20 YEARS



94% WATERTIGHT

DUPONT™ TYVEK® NOW OFFERS  
A 15-YEAR WARRANTY  
PROTECTING YOUR ROOF AND YOUR REPUTATION



\*This warranty is not a consumer warranty. More information and conditions available on [www.construction.tyvek.co.uk/warranty](http://www.construction.tyvek.co.uk/warranty)

**THINK TWICE, BUILD ONCE, TRUST TYVEK®**

[www.tyvek.co.uk/rooftest](http://www.tyvek.co.uk/rooftest)

# Achieve optimal airtightness and long-term performance

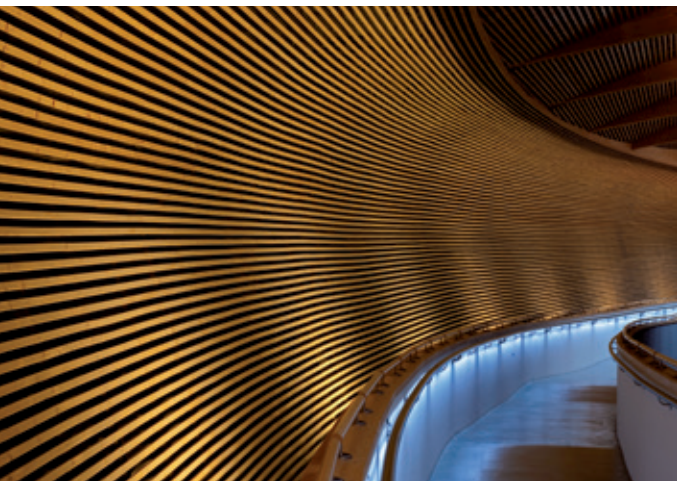
## Why is airtightness so important?

As we progress into the future with more energy efficient and sustainable building methods we are becoming more aware of the shortcomings of uncontrolled air leakage.

The European Commission made commitments to reduce carbon emissions through the European Energy Performance of Buildings Directive (EPBD).

The Directive requests Member States to set up national or regional financial support programmes with the aim of increasing energy efficiency in buildings.

Due to this regulation, the requirements on the energy performance of buildings have been increased. Because of air leakage from the building envelop heat losses through





convection can occur. Choosing the right air and vapour control layer (AVCL) will help create a thermally efficient, condensation-free structure.

Installing one of the DuPont™ AirGuard® AVCL generics will keep your insulation and wall structure dry and can help to reduce energy consumption. On top of choosing the right AVCL it is important to make your building envelope airtight and windtight by sealing gaps between and around insulation layers, AVCL's and breather membranes. With DuPont accessories you can choose the right products to complement and enhance DuPont™ Tyvek® building envelope solutions. The adhesive tapes are specially designed for use with DuPont membranes to help reduce or even avoid uncontrolled air leakage.



# Product Portfolio

## DuPont™ Tyvek® roofing underlays



Tyvek® Supro / Supro Plus

Tyvek® Metal



## Tyvek® Tapes



Tyvek® Acrylic Tape  
with split-release liner

Tyvek® Acrylic Tape

Tyvek® Metallised Tape

Tyvek® Double Sided Tape

Tyvek® Butyl Tape

Tyvek® UV Façade Tape

Tyvek® FlexWrap NF

Tyvek® FlexWrap EZ

**NEW**

**DuPont™ AirGuard®  
air & vapour control  
layer (AVCL)**



DuPont™ AirGuard® Control

DuPont™ AirGuard® Reflective

DuPont™ AirGuard® Reflective E

Tyvek® AirGuard® Smart

**NEW**



**DuPont™ Tyvek® solutions  
for Timber Frame and  
wall construction**



Tyvek® FireCurb® Housewrap

Tyvek® StructureGuard™

Tyvek® Housewrap

Tyvek® Reflex

Tyvek® e-Guard W1

Tyvek® UV Façade/UV Façade Plus

# Application table DuPont membranes<sup>1</sup>

Applications	Tyvek <sup>®</sup> Supro / Supro Plus	Tyvek <sup>®</sup> Metal	Tyvek <sup>®</sup> House-wrap	Tyvek <sup>®</sup> Structure-Guard™	Tyvek <sup>®</sup> FireCurb <sup>®</sup> House-wrap
--------------	---------------------------------------	--------------------------	-------------------------------	-------------------------------------	---

## Pitched roofing

### Tiled/Slated roofs

supported ✓

unsupported ✓

### Metal roofs

profiled cladding ✓

standing seam ✓ ✓

Scottish boarded roofs ✓

Below solar panels<sup>2</sup> ✓

## Walls

Timber frame ✓ ✓ ✓ ✓

Ventilated Façades for high-rise buildings ✓<sup>3</sup> ✓<sup>3</sup> ✓

Open cladding Façade

Metal frame ✓ ✓ ✓ ✓

Higher fire class requirements ✓

✓: Highly recommended to improve energy efficiency

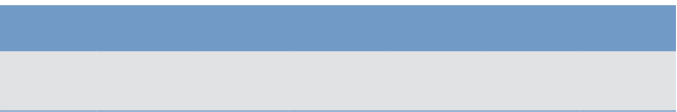
1 - Please check for local compliance requirements and regulations

2 - Ventilated and rain resistant, temperature should not reach more than 100°C (also at contact points with penetrations)

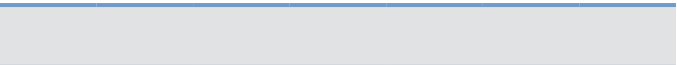
3 - If no additional requirements on reaction to fire



Tyvek® Reflex	Tyvek® e-Guard W1	Tyvek® UV Façade / UV Façade Plus	DuPont™ AirGuard® Control for internal use only (internal lining)	DuPont™ AirGuard® Reflective for internal use only (internal lining)	DuPont™ AirGuard® Reflective E for internal use only (internal lining)	Tyvek® AirGuard® Smart
------------------	-------------------------	---	---	--	--	------------------------------



			✓	✓	✓	✓
			✓	✓	✓	✓



			✓	✓	✓	✓
				✓	✓	✓
			✓	✓	✓	✓
			✓	✓	✓	✓



✓	✓	✓	✓	✓	✓	✓
✓ <sup>3</sup>	✓ <sup>3</sup>	✓ <sup>3</sup>	✓	✓	✓	✓
		✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
			✓			

# DuPont™ Tyvek® Supro / Supro Plus

The market-leading breather membrane

- Available with integrated tape (Plus)
- Excellent water resistance
- Airtight / Windtight - compliant with BS5534
- Vapour-permeable
- Providing superior air and moisture management for commercial and residential buildings
- For all supported and unsupported pitched roof applications - warm, hybrid and cold roofs
- Fits also for scottish sarking board systems
- Fits also for wall and floor applications
- Long term performance

## Properties

Style name	2507B
Composition	Composite of High Density Polyethylene, Polypropylene
Roll size	1,0 m x 50 m / 1.5 m x 50 m
Roll weight	11 kg
Mass per unit area	145 g/m <sup>2</sup>
UV exposure	4 months
Product- / Functional layer thickness	450 / 175 µm
Water vapour transmission (Sd)	0.025 m
CE marking	Yes
BBA certificate	N° 08/4548
NSAI certificate	N° 04/0157

Compliant with BS5534

functional  
layer thickness  
**175µm**





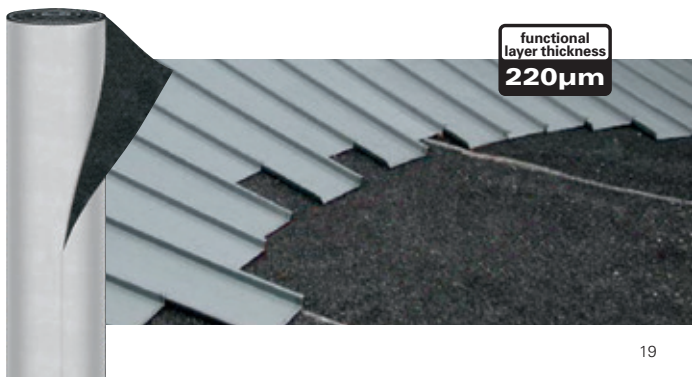
## DuPont™ Tyvek® Metal

A vapour-permeable drainage membrane

- With integrated tape
- Excellent water resistance
- Airtight / Windtight
- Vapour-permeable
- Allows condensation beneath stainless steel, aluminium, copper and zinc roofs to drain away
- Should be installed over 150 mm wide timber boarding with 2 mm gaps between
- For use as drainage membrane beneath standing seam metal sheets roofs over timber boarding or SiPs.
- Long term performance

### Properties

Style name	2510B
Composition	Composite of HighDensity Polyethylene, Polypropylene nonwoven and open mesh spacer
Roll size	1.5 m x 25 m
Roll weight	15.5 kg
Mass per unit area	407 g/m <sup>2</sup>
UV exposure	4 months
Product- / Functional layer thickness	7.40 / 0.22 mm
Water vapour transmission (Sd)	0.03 m
CE marking	Yes



functional  
layer thickness  
**220µm**

# Get your house covered. And let it breathe

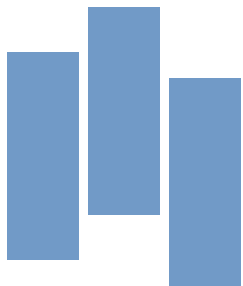


## DuPont™ Tyvek® solutions for Wall Construction

The protection of the insulation and wall structure from external weather conditions and the negative effects of condensation are essential. In timber frame wall constructions for instance, a breather membrane must be 'vapour-open' so as to allow water vapour to pass through to outside atmosphere whilst at the same time be water resistant.

Timber Frame Construction is one of the leading construction methods in Europe. Because of its architectural diversity, light weight structure, interior comfort and speed of construction, Timber Frame Construction is becoming more and more popular.

Tyvek® membranes offer significant protection against wind washing and improve energy efficiency and comfort.





## DuPont™ Tyvek® Housewrap

The ideal vapour-permeable timber frame wall membrane

- Highly permeable to water vapour (sd-value: 0.01 m)
- Airtight / windtight and highly water resistant (>W1)
- Enhances the airtightness of the construction
- Lightweight, flexible and easy to install
- Should be surface applied, fixed directly to sheathing ply /OSB, insulation or blockwork
- Established & trusted long-term performance
- Also suitable for steel-frame and concrete structures

### Properties

Style name	3060B
Composition	High Density Polyethylene
Roll size	1.4 m x 100 m / 2.8 m x 100 m
Roll weight	9 kg / 18 kg
Mass per unit area	63 g/m <sup>2</sup>
UV exposure	4 months
Product thickness = Functional layer thickness	175 µm
Water vapour transmission (Sd)	0.01 m
CE marking	Yes
BBA certificate	N° 90/2548
NSAI certificate	N° 02/0144



functional  
layer thickness  
**175µm**

# DuPont™ Tyvek® StructureGuard™

The professional choice for commercial buildings

- Exceptional airtightness
- Windtight and highly water resistant (>W1)
- Lightweight, flexible and easy to install
- Provides superior air and moisture management for commercial and residential buildings
- Long-term performance
- Suitable for walls in timber frame, metal frame, masonry and internal insulation upgrade

## Properties

Style name	1560B
Composition	High Density Polyethylene
Roll size	1.4 m x 100 m / 2.7 m x 100 m
Roll weight	9 kg / 18 kg
Mass per unit area	58 gr/m <sup>2</sup>
UV exposure	4 months
Product- / Functional layer thickness	175 µm
Water vapour transmission (Sd)	0.015 m
CE marking	Yes
BBA certificate	N° 90/2548

functional  
layer thickness  
**175µm**





## DuPont™ Tyvek® FireCurb® Housewrap

The new building breather membrane that limits the propagation of flames

- All the benefits of standard Tyvek Housewrap
- Self-extinguishing when ignited
- Limits propagation of flames
- Halogen-free flame retardant coating
- Includes all previous Tyvek® characteristics for energy efficient and condensation free building
- Long term investment protection
- Greater safety during and after installation

### Properties

Style name	2066B
Composition	Flash-spun-bond HDPE with flame retardant coating
Dimensions/Weight	1.5 m x 50 m / 5,5 kg
Mass per unit area	66 g/m <sup>2</sup>
UV exposure	4 months
Functional layer thickness	175 µm
Reaction to fire* (EN13501-1)	B-s1,d0
Temperature resistance	-40 to +100° C
Water vapour transmission (Sd)	0,04 m
CE marking	Yes
BBA Certificate	N° 90/2548

\*(if installed freehanging, on mineral wool & cementitious boarding-> B-s1,d0 , if installed onto wood -> D-s2,d2)

**Application:** Tyvek® FireCurb™ Housewrap is typically installed onto the external side of the insulation material or integrated in the wall structure system. It can be used as a solution for ventilated Façades.



# DuPont™ Tyvek® UV Façade / UV Façade Plus

## Protection for open and ventilated rainscreen cladding

- Black, unbranded membrane
- Tested for 5000 hours UV ageing to EN 13859-2, followed by 90 day heat exposure at 70 °C. The membrane retained its full performance.
- Windtight, water resistant and vapour-permeable
- For joint width of up to 3 cm
- Greatly enhances the airtightness of the construction
- Very robust, but flexible & easy to install
- Long-term performance
- Suitable for open or ventilated cladding in timber, metal, stone and other materials
- Reaction to fire class E

### Properties

Style name	2524B
Composition	Composite of High Density Polyethylene, and Polypropylene
Roll size	1.5 m x 50 m / 3.0 m x 50 m
Roll weight	15 kg / 30 kg
Mass per unit area	195 g/m <sup>2</sup>
UV exposure	see details on technical datasheet
Product- / Functional layer thickness	600 / 220 µm
Water vapour transmission (Sd)	0.035 m
CE marking for Façades with open joints	Yes
BBA Certificate	N° 90/2548

functional  
layer thickness  
**220µm**







## DuPont™ Tyvek® Reflex

The right reflective breather membrane

- Windtight and water resistant but vapour-open
- Low emissivity surface (0,10) results in highly reflective product (90 %) for improved thermal comfort
- Reduces heat loss and improves U-value of wall element
- Improves indoor summer comfort by limiting solar heat gain
- Enhances the airtightness of the construction
- Lightweight, flexible and easy to install
- Long-term performance

### Properties

Style name	3583M
Composition	High Density Polyethylene with metallised surface
Roll size	0.48 m x 100 m 1.50 m x 100 m 2.70 m x 100 m
Roll weight	4.0 kg / 12,5 kg / 22,5 kg
Mass per unit area	83 g/m <sup>2</sup>
UV exposure	4 months
Product thickness = Functional layer thickness	220 µm
Water vapour transmission (Sd)	0.03 m
Emissivity	0.10
CE marking	Yes
BBA Certificate	N° 90/2548



functional  
layer thickness  
**220µm**

# Tyvek® e-Guard W1

The new reflective wall membrane for improved thermal efficiency

- Excellent long-term performance windtight and water resistant but vapour-open reflects 97% of heat radiation (emissivity 3%) for improved thermal comfort throughout the year
- Reduces heat loss and improves U-value of wall element
- Improves indoor summer comfort by limiting solar heat gain
- Enhances the airtightness of the construction
- Lightweight, flexible and easy to install

## Properties

Style name	2018M
Composition	High Density Polyethylene with metallised surface
Roll size	2.70 m x 100 m
Roll weight	30 kg
Mass per unit area	110 g/m <sup>2</sup>
UV exposure	4 months
Product thickness / Functional layer thickness	250 / 175 µm
Water vapour transmission (Sd)	0.05 m
Emissivity	0.03
CE marking	Yes
BBA Certificate	N° 90/2548

functional layer thickness  
**175µm**





**Less insulation needed for the same effects > increased insulation value without increased wall thickness**

**U-Values of entire wall construction achieved with 140 mm stud (and 140 mm fibrous insulation)**

Membrane	Membrane	Standard Membrane	Tyvek® Reflex	Tyvek® Reflex + AirGuard® Reflective	Tyvek® Reflex + AirGuard® ReflectiveE
Mineral woll	0.040	0.32	0.29	0.25	0.25
	0.038	0.30	0.27	0.23	0.23
	0.035	0.29	0.27	0.23	0.23
	0.032	0.27	0.25	0.21	0.21
PIR	0.022	0.23	0.20	0.18	0.18
Phenolic	0.018	0.21	0.19	0.16	0.16

good
  average
  poor

**Timber frame wall**

Brick outer leaf, cavity, breather membrane, 140mm stud: full fill insulation (15% bridge), AVCL, 12.5mm plasterboard internal lining. DuPont™ Airguard® Reflective & Reflective E columns include a 25mm batten space

Membrane	Membrane	Standard Membrane	Tyvek® Reflex	Tyvek® Reflex + AirGuard® Reflective	Tyvek® Reflex + AirGuard® ReflectiveE
Mineral woll	0.040	0.32	0.26	0.22	0.22
	0.038	0.30	0.25	0.22	0.22
	0.035	0.29	0.24	0.21	0.21
	0.032	0.27	0.23	0.20	0.20
PIR	0.022	0.23	0.19	0.17	0.17
Phenolic	0.018	0.21	0.18	0.16	0.16

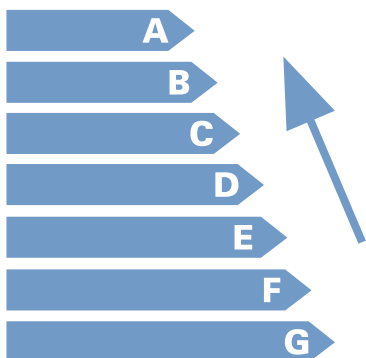
# Control the climate in your building.



## Energy Efficient Solutions from DuPont™ AirGuard®

### Build airtight and condensation free

Air & vapour control layers (AVCL's) suitable for roofs, walls and floors help to reduce convective heat losses but also provide highly engineered vapour control for breathing systems. When installed continuously with all laps and penetrations sealed, an AVCL will provide effective condensation control and airtightness for all building types. With an ever increasing requirement to conserve energy the portfolio of DuPont™ AirGuard® products can help you achieve these environmental goals.





## DuPont™ AirGuard® Control

**Strong AVCL for optimal airtightness in roofs, walls and floors**

- Limited vapour transmission
- Airtight and water resistant
- CE-conformity for plastic and rubber vapour control layer (EN 13984)
- Superior mechanical strength
- Reaction to Fire: Class E
- Lightweight - easy to install
- Reduces convective heat losses
- Reduces convective vapour transfer
- Reduces risk of condensation into the insulation

### Properties

Style name	8327AD
Composition	DuPont™ Tytar® spunbond & Ethylen-Butylacrylate Copolymer
Product designation acc. to EN 13984	Type A
Roll size	1.5 m x 50 m
Roll weight	8.5 kg
Mass per unit area	108 g/m <sup>2</sup>
Reaction to fire	Class E
Water vapour transmission (Sd)	5 m
CE marking	Yes
BBA certificate	N° 08/4548 and N° 90/2548



# DuPont™ AirGuard® Reflective

**AVCL which boosts your thermal insulation**

- Highly vapour resistant
- Airtight and water resistant
- CE-conformity for plastic and rubber vapour control layer (EN 13984)
- Reflects ca. 95% of radiant heat
- Reduces heat losses by increasing of R-value of the construction
- Superior mechanical strength
- Reaction to Fire: Class E\*
- Considerably reduces risk of condensation into the insulation
- Reduces convective heat losses

## Properties

Style name	5814X
Composition	Composite of Polypropylene, Polyethylene and an aluminium foil
Product designation acc. to EN 13984	Type A
Roll size	1.5 m x 50 m
Roll weight	11,5 kg
Mass per unit area	149 g/m <sup>2</sup>
Reaction to fire	Class E*
Emissivity**	0.05
Water vapour transmission (Sd)	2000 m
CE marking	Yes
BBA certificate	N° 08/4548 and N° 90/2548

\* Installed on mineral wool.

\*\* A low emissivity value = high reflectivity = superior thermal performance.





## DuPont™ AirGuard® Reflective E

**AVCL which boosts your thermal efficiency**

- Highly vapour resistant
- Airtight and water resistant
- CE-conformity for plastic and rubber vapour control layer (EN 13984)
- Reflects ca. 95% of radiant heat
- Reduces heat losses by increasing of R-value of the construction
- Good mechanical strength
- Reaction to Fire: Class E
- Considerably reduces risk of condensation

### Properties

Style name	8314X
Composition	DuPont™ Typar®, PE and Aluminum composite
Roll size	1.5 m x 50 m
Roll weight	9 kg
Mass per unit area	122 g/m <sup>2</sup>
Reaction to fire	Class E
Emissivity**	0.05
Water vapour transmission (Sd)	2400 m
CE marking	Yes

\*\* low emissivity value = high reflectivity = superior thermal performance when combined with an air gap.





# Tyvek® AirGuard® Smart

**NEW**

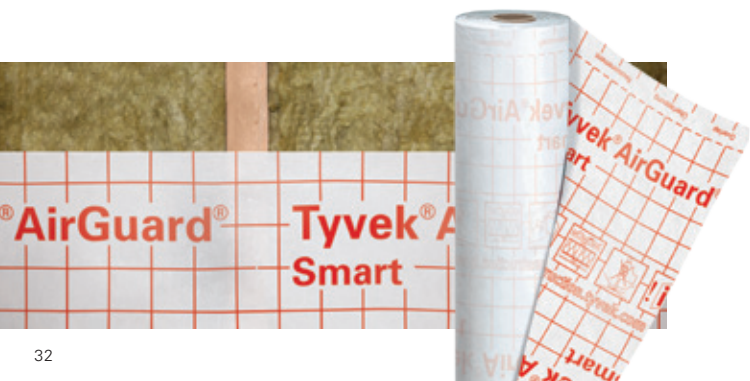
**AVCL with variable vapour resistance**

- Prevents structure damage and loss of insulation efficiency by smartly adapting to various moisture conditions and regulating the humidity in building elements
- Reduced drying out time
- Durability, health and longevity of buildings
- Greater energy efficiency
- Additional drying capacity for unplanned humidity infiltration
- Enhanced interior comfort

## Properties

Style name	2009B
Composition	Tyvek® with polymeric coating
Product designation acc. to EN 13984	Type B
Roll size	1.5 m x 50 m
Roll weight	7 kg
Mass per unit area	92 g/m <sup>2</sup>
Reaction to fire	Class E*
Water vapour transmission (Sd)	35 m (dry environment) / 0.2 m (humid environment)
Watertightness acc. to EN13859-1 based on 1928 (A)	W1
CE marking	Yes

\* Installed on mineral wool.





# Our tapes are essential.

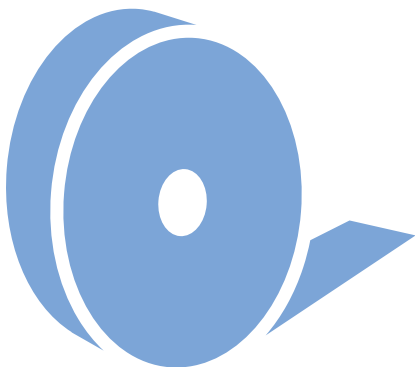
## Tyvek® tapes

### Create windtight, airtight and watertight seals with Tyvek® tapes

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 compliment and enhance building envelope solutions with Tyvek®.

It helps 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



# Application table Tyvek® tapes

Applications	Tyvek® AcrylicTape with split-release liner	Tyvek® Acrylic Tape
<b>DuPont™ Tyvek® roofing underlays</b>		
Tyvek® Supro / Plus	✓	✓
Tyvek® Metal	✓	✓
<b>DuPont™ Tyvek® solutions for Timber Frame and wall constructions</b>		
Tyvek® Housewrap	✓	✓
Tyvek® StructureGuard™	✓	✓
Tyvek® FireCurb™ Housewrap	✓	✓
Tyvek® UV Façade / UV Façade Plus		
Tyvek® Reflex		
Tyvek® e-Guard W1		
<b>DuPont™ AirGuard® air &amp; vapour control layer (AVCL)</b>		
DuPont™ AirGuard® Control	✓	✓
DuPont™ AirGuard® Reflective		
DuPont™ AirGuard® Reflective E		
Tyvek® AirGuard® Smart	✓	✓
<b>Materials</b>		
Masonry/concrete/render (smooth)	✓	✓
Brick/block/concrete (rough)		
Plasterboard	✓	✓
Window/door frames	✓	✓
Metal surface	✓	✓
Timber (rough sawn)		
Timber (planed)	✓	✓
<b>Details</b>		
Pipe penetrations (plastic)	✓	✓
Pipe penetrations (metal)	✓	✓
Wiring/cable penetrations	✓	✓
Chimneys		
Chimneys (making good corners)	✓	✓
Around electrical sockets	✓	✓
<b>Other</b>		
Damage repair	✓	✓
Nail penetration*		
Laps sealing	✓	✓

\*Under batten



Tyvek® Metallised Tape	Tyvek® Double Sided Tape	Tyvek® Butyl Tape	Tyvek® UV Façade Tape	Tyvek® FlexWrap NF	Tyvek® FlexWrap EZ
	✓	✓		✓	✓
	✓	✓		✓	✓
	✓	✓		✓	✓
	✓	✓		✓	✓
	✓	✓		✓	✓
	✓	✓	✓		
✓	✓	✓		✓	✓
✓	✓	✓		✓	✓
	✓	✓		✓	✓
✓	✓	✓		✓	✓
✓	✓	✓		✓	✓
	✓	✓		✓	✓
✓	✓	✓	✓	✓	✓
		✓		✓	✓
✓	✓	✓	✓		
✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓
✓			✓	✓	✓
✓			✓	✓	✓
✓			✓	✓	✓
		✓		✓	✓
✓				✓	✓
	✓	✓			
✓			✓		
		✓			
✓	✓		✓		



## Tyvek® Acrylic Tape with split-release liner



- Single-sided DuPont™ Tyvek® (HD-PE) with modified acrylic adhesive and 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 Vapour Control Layers.

Colour:	white
Roll size:	60 mm (12 x 48 split) x 25 m
Rolls per box:	10 (48 boxes per pallet)

## Tyvek® Acrylic Tape



- Single-sided tape for sealing overlaps and making good around penetrations, pipes and windows. Recommended for most DuPont™ Tyvek® breather membranes and DuPont™ AirGuard® air & vapour control layers (AVCL's).
- Made of Tyvek® and modified acrylic adhesive for a durable bond.

Colour:	white
Roll size:	75 mm x 25 m
Rolls per box:	8 (48 boxes per pallet)

## Tyvek® Metallised Tape



- Single-sided reflective tape for sealing laps of Tyvek® Reflex, DuPont™ AirGuard® Reflective.
- Ideal for making good around penetrations, pipework, windows and doors.
- Made of metallised Tyvek® and modified acrylic adhesive.
- Provides a durable bond.

Colour:	silver
Roll size:	75 mm x 25 m
Rolls per box:	8 (48 boxes per pallet)

## Tyvek® Double Sided Tape



- 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 DuPont™ AirGuard® AVCL products.

Colour:	transparent
Roll size:	50 mm x 25 m
Rolls per box:	12 (48 boxes per pallet)

## Tyvek® Butyl Tape



- Double-sided butyl based sealant, used to form a moisture and airtight seal between a Tyvek® membrane or a DuPont™ AirGuard® AVCL 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, eg. under a timber batten and is recommended for use at perimeters, chimneys, abutments and for sealing nail penetrations and around electrical sockets.

Colour:	black
Roll size:	20 mm x 30 m / 50 mm x 30 m
Rolls per box:	8 (20 mm x 30 m) / 4 (50 mm x 30 m) (48 boxes per pallet)

## Tyvek® UV Façade Tape



- 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.

Colour:	black
Roll size:	75 mm x 25 m
Rolls per box:	8 (48 boxes per pallet)



## Tyvek® FlexWrap NF



- High performance flexible self adhesive flashing tape.
- Considerably helps to facilitate 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 DuPont™ AirGuard® AVCL.

Colour: black / white

Roll size: 152 mm x 23 m

Rolls per box: 1



## Tyvek® FlexWrap EZ



- Narrow width version of Tyvek® Flexwrap NF
- High performance, heavy duty adhesive tape with great flexibility.
- The pleated Tyvek® base layer allows the tape to be formed around many small and complicated penetration details - quick and easily.
- Its butyl adhesive is compatible with all Tyvek® and AirGuard® membranes and most commonly used building materials.
- Developed to provide sealing against water penetration as well as to achieve efficient vapour and air-tightness.

Colour: black / white

Roll size: 60 mm x 10 m

Rolls per box: 3





## Energy Efficient Buildings

### Commitment to sustainable solutions

At DuPont we are committed to continuously develop and present new science-based solutions that support sustainable growth and meet new building codes and European regulations regarding energy efficiency in buildings.

### Made by DuPont - a guarantee of quality

The success of Tyvek® results from a unique manufacturing process using flash-spunbond technology - and over 35 years of experience in the underlay market from a company renowned for pioneering innovation and a commitment to quality and ethical practice.

Since 1802, DuPont has used science to develop durable solutions and offer innovative products to enable a more comfortable, safe and healthy life.



For additional information please contact:

DuPont™ Tyvek®  
BBSP1  
Bristol & Bath Science Park  
Dirac Crescent  
Emersons Green  
Bristol  
BS16 7FR  
Phone: 08444 068 722  
Technical enquiries: [Tyvek.construction@dupont.com](mailto:Tyvek.construction@dupont.com)

#### Regional Business Managers Details

Scotland & Northern England: Tel: 07557 590 849  
North Wales & Midlands: Tel: 07793 307 358  
North London & East Anglia: Tel: 07764 837 505  
South London & Southern England: Tel: 07764 837 502  
South Wales & South West: Tel: 07766 133 005  
Ireland: Tel: 00353 879 222 740

[www.construction.tyvek.co.uk](http://www.construction.tyvek.co.uk)

Recommendations as to methods, use of materials and construction details are based on the experience and current knowledge of DuPont and are given in good faith as a general guide to designers, contractors and manufacturers. This information is not intended to substitute for any testings you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a licence to operate under a recommendation to infringe any patent right.

Copyright © 2018 DuPont. All rights reserved. The DuPont Oval Logo, DuPont™, FOR GREATER GOOD™, AirGuard®, Typar® and Tyvek® are registered trademarks or trademarks of E.I. du Pont de Nemours and Company or its affiliates.