

DuPont™ Tyvek® FireCurb® breather membrane

breather membrane for use in the external lining of wall systems



FLAME
RETARDANT

Tyvek® FireCurb® breather membrane: a flame retardant breather membrane for buildings based on a new patented technology, enabling a Euroclass B (EN 13501-1) that potentially saves lives and could prevent costly damages.

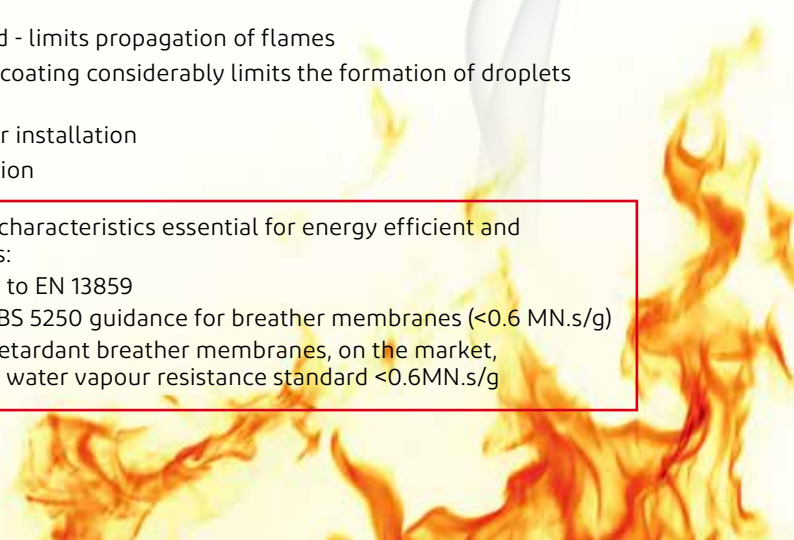
The building breather membrane that limits the propagation of flames

DuPont introduced a new level of building protection with the flame retardant breather membrane Tyvek® FireCurb® breather membrane. When flames meet Tyvek® FireCurb® breather membrane, they literally stop, die down ... and go out. The membrane includes all of the well-known properties of Tyvek®, adding flame retardancy for even more comprehensive protection of walls.

Tyvek® FireCurb® breather membrane advantages at a glance

- Compliance with national Fire Regulations & Standards for use in hi-rise buildings
- Reaction to fire: B-s1,d0
- Self-extinguishes when ignited - limits propagation of flames
- Halogen-free flame retardant coating considerably limits the formation of droplets and reduces smoke
- Greater safety during and after installation
- Long term investment protection

- Includes all durable Tyvek® characteristics essential for energy efficient and condensation free buildings:
 - Class W1 water resistance to EN 13859
 - Vapour resistance meets BS 5250 guidance for breather membranes (<0.6 MN.s/g)
 - **IMPORTANT:** Not all fire retardant breather membranes, on the market, reach the required sd and water vapour resistance standard <0.6MN.s/g



DuPont™ Tyvek® FireCurb® breather membrane

To achieve optimal airtightness, we recommend the use of the following adhesive accessories.

Tyvek® Acrylic Tape

Single-sided tape for sealing overlaps and making good around penetrations, pipes and windows. Recommended for all Tyvek® membranes. Made of Tyvek® and acrylic adhesive for durable and long lasting bonding.

Roll size:
75 mm x 25 m



Tyvek® Butyl Tape

Double-sided butyl based sealant, used to form a moisture and airtight seal between a Tyvek® membrane and most commonly used building materials. The product is compatible with brickwork, blockwork, masonry, timber, metalwork and most plastic products. Tyvek® Butyl Tape is recommended for use at perimeters, chimneys abutments and for sealing nail penetrations and around electrical sockets.

Roll size:
20 mm x 30 m or
50 mm x 30 m



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 all Tyvek® membranes.

Roll size:
50 mm x 25 m



Tyvek® FlexWrap NF/EZ

Flexible high performance tapes made up of 3 components: a crimped Tyvek® top sheet providing a water tight layer, the butyl mass as an adhesion layer and a paper release liner. They provide excellent watertight adhesion to all Tyvek® breather membranes around non-straight penetrations, such as windows, doors, chimney breasts, pipe penetrations and any custom shapes.

Roll size Tyvek® FlexWrap NF:
15 cm x 23 m



Roll size Tyvek® FlexWrap EZ:
60 mm x 10 m



Properties

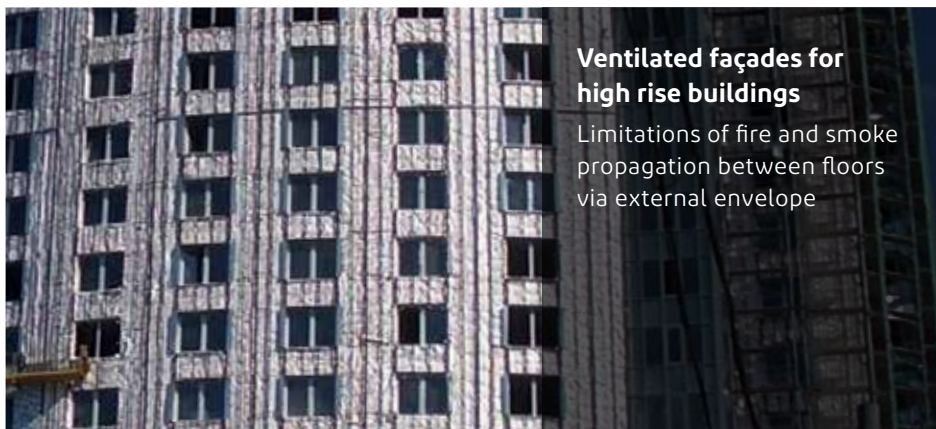
Style name and D code	2066B (D Code:- D15085129)
Dimensions / Weight	1.5 x 50 m / 5.5 kg per roll
Composition	Flash-spun-bond HDPE with flame retardant coating
Reaction to fire*	(EN13501-1) B-s1,d0
Temperature resistance	-40 to +100° C
Water vapour transmission (Sd)	0.015 m
Water vapour resistance	0.075 MN.s/g (less than 0.6 MN.s/g to BS 5250:2011)
Mass per unit area	68 g/m ²
Functional layer thickness	175 µm
CE-Certificate of Conformity	yes (0799-CPD-128)

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

IMPORTANT: To compliment this product in roof, ceiling and wall systems, a fire retardant air and vapour control layer (AVCL) should be used within the internal lining. For this purpose we would recommend you use DuPont® AirGuard® A2 FR.

Application:

From bungalows to high-rise structures, the lightweight, advanced Tyvek® product is the solution for different types of buildings. Tyvek® FireCurb® breather membrane 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 and timber frame construction.



Ventilated façades for high rise buildings

Limitations of fire and smoke propagation between floors via external envelope

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