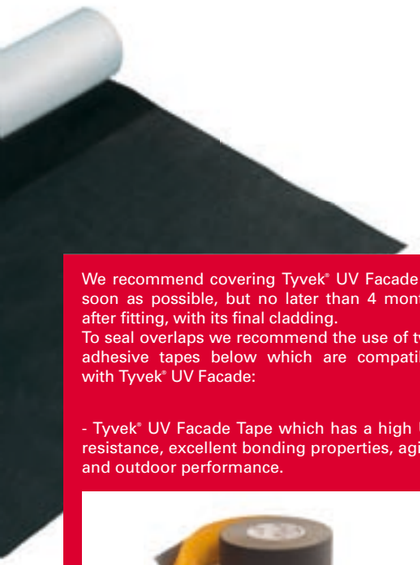

We recommend covering Tyvek® UV Facade as soon as possible, but no later than 4 months after fitting, with its final cladding.
To seal overlaps we recommend the use of two adhesive tapes below which are compatible with Tyvek® UV Facade:

- Tyvek® UV Facade Tape which has a high UV resistance, excellent bonding properties, aging and outdoor performance.

- Tyvek® Double-sided Tape which has excellent adhesion properties under extreme humidity conditions and a strong initial tack.

Technical properties CE

EN 13859-2 (Underlays for walls) walls with open joints	
Dimensions	1,5 x 50 m / 15 kg 3,0 x 50 m / 30 kg
Straightness	< 30 mm
Mass per unit area	195 g/m²
Type of carrier	HD-PE & PP
Reaction of fire**	E
Water tightness	W1
Maximum tensile force in MD	410 N/50mm
Maximum tensile force in XD	330 N/50mm
Elongation in MD	14 %
Elongation in XD	19 %
Resistance to tearing in MD	300 N
Resistance to tearing in XD	40 N
Water vapour transmission (sd)	0,035 m
Resistance to penetration of air	< 0,1 m³/m² h 50Pa
Dimensional stability	< 1%
Flexibility at low temperature	-40°C
Artificial aging by UV & heat * (radiation of 5000 hours)	
Tensile strength in MD	-10%
Tensile strength in XD	-10%
Elongation MD	-20%
Elongation XD	-20%
Resistance to water penetration	W1
Additional properties	
Temperature resistance	-40°C / +100°C
Max. width of joints (A) (vertical & horizontal)	3 cm
Min width of facade elements (B)	B ≥ 2A (see Fig. 1)
Full UV exposure (as standard underlay)	6 months
Full UV exposure (for walls with open joints before installation of facade elements)	4 months
Water column (EN 20811)	3 m
Reaction to fire**	D-s1, d2
Windtight	Yes

** according to EN138592: for walls with open joints, artificial aging by UV is 5000 hrs (standard wall/roof application is 336hrs)*
*** when the product is installed on mineralwool, the reaction to fire class D-s1, d2 is achieved (KB-Hoch080796)*

Some test methods are modified according to the EN 13859-1&-2 and/or according to the DuPont DIN EN ISO 9001 (2000) certified quality system (for details please contact your regional DuPont representative). This information corresponds to our current knowledge on the subject. It is offered in accordance with Council Directive 89/106/EEC of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products ("European Construction Products Directive"). It is not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for any application other than the application as specified herein. 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 liabilities in connection with any use of this information for applications other than the application as specified herein. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right. Product safety information is available on request. This data sheet is a printed document and is valid without signature.

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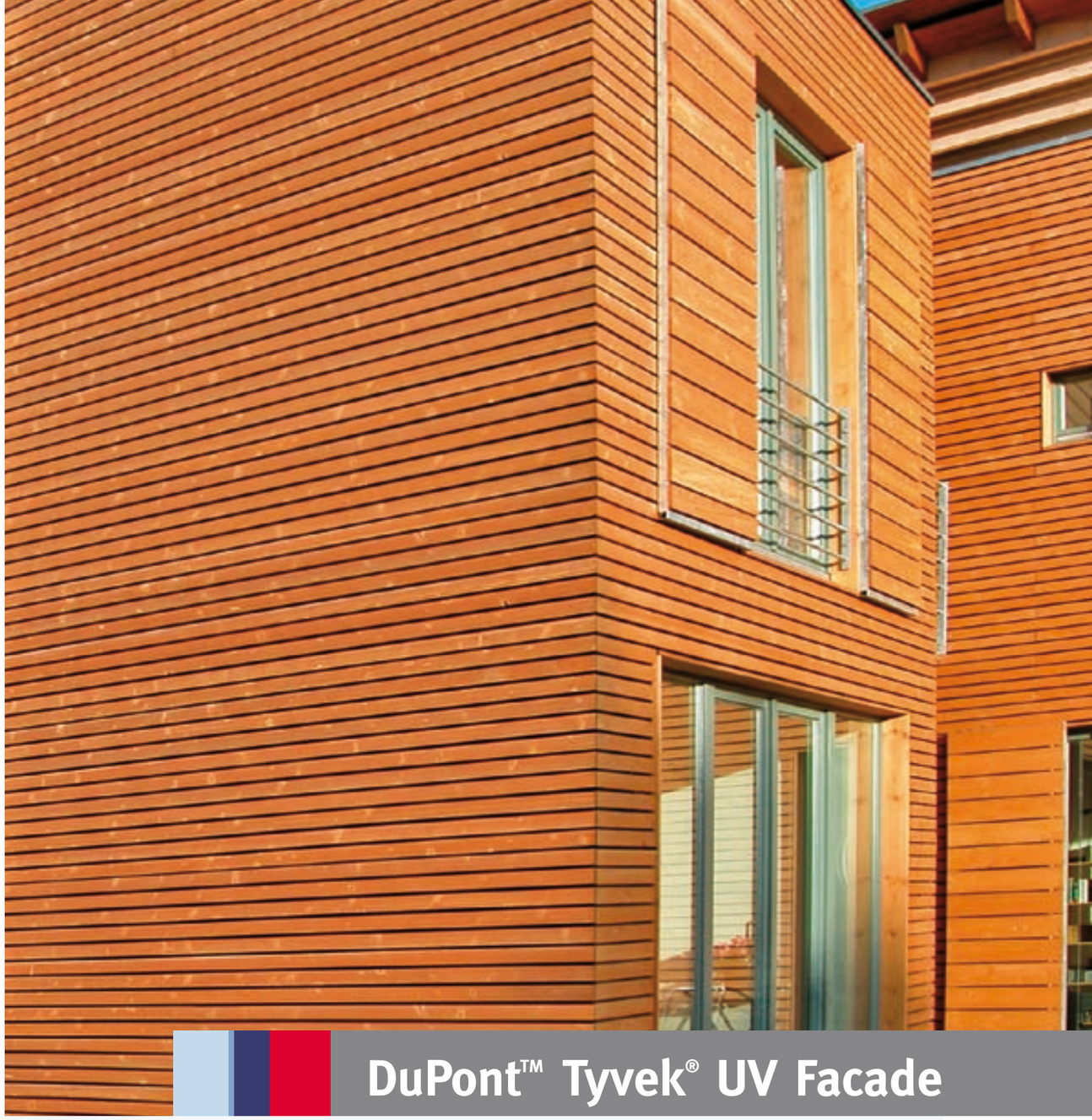
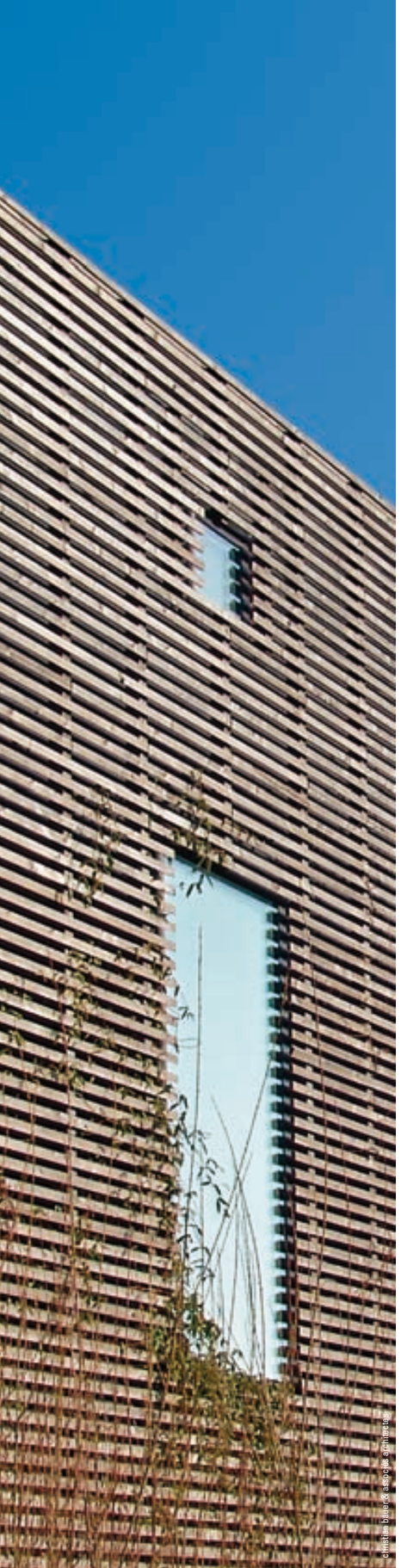


DuPont™ Tyvek® UV Facade

LIFELONG PROTECTION FOR OPEN AND VENTILATED RAINSCREEN CLADDING

DUPONT®
Tyvek®
Performance beyond protection



Exceptional protection with DuPont™ Tyvek® UV Facade

Long-term performance

Facades with open rainscreen cladding offer new design options, but the insulation and structure still require effective, lifelong protection from the harmful effects of the elements to which it is constantly exposed. In particular UV radiation can compromise the long-term performance of secondary protection membranes.

That's why DuPont have developed Tyvek® UV Facade, an advanced protective membrane specifically designed to meet the needs of open cladding constructions.

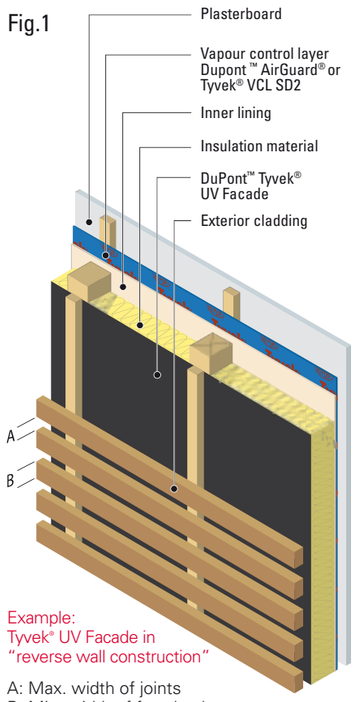
Tyvek® UV Facade ensures optimum protection of the insulation and structure in open or ventilated cladding constructions from sunlight, wind and moisture for up to 50 years.

Unique in its class, Tyvek® UV Facade is the only known protective membrane for open-jointed cladding systems to carry the CE marking, certifying full conformity with the European Union's rigorous construction products directive. To obtain the CE marking for open cladding use, the membrane has to resist an artificial aging by permanent UV radiation of 5000 hours (for a standard wall/roof application it is 336 hours).

Unique properties:

- CE Proven long-term UV resistance (only membrane with publicly available CE marking for open cladding use)
- 10-years warranty for joint width of up to 3 cm
- Lifespan of over 50 years for joint width of up to 2 cm
- Wind-tight, water-tight but vapour-open
- Suitable for open or ventilated cladding in timber, metal, stone and other materials
- Extremely lightweight, flexible and easy to install
- Can be left uncovered for up to 4 months while retaining full performance

Fig.1



Example:
Tyvek® UV Facade in
"reverse wall construction"

A: Max. width of joints
B: Min. width of facade elements
B ≥ 2A

Tyvek® has a proven track record

- Exceptional moisture management properties
- High vapour-permeability for maximum "breathability"
- Easy to install – difficult to damage
- Outstanding durability backed by rigorous performance testing
- Guaranteed long term performance

The uniqueness of Tyvek®

Made from extremely tough, flexible, lightweight flash-spunbonded polyolefin, the DuPont™ Tyvek® family of membranes offers peak protection during construction and throughout the lifespan of a building.

Combining class-beating performance with the highest level of protection against the damaging effects of UV radiation, Tyvek® UV Facade is another example of the ongoing commitment of DuPont to develop next-generation building products that meet the performance challenges of today's modern designs.