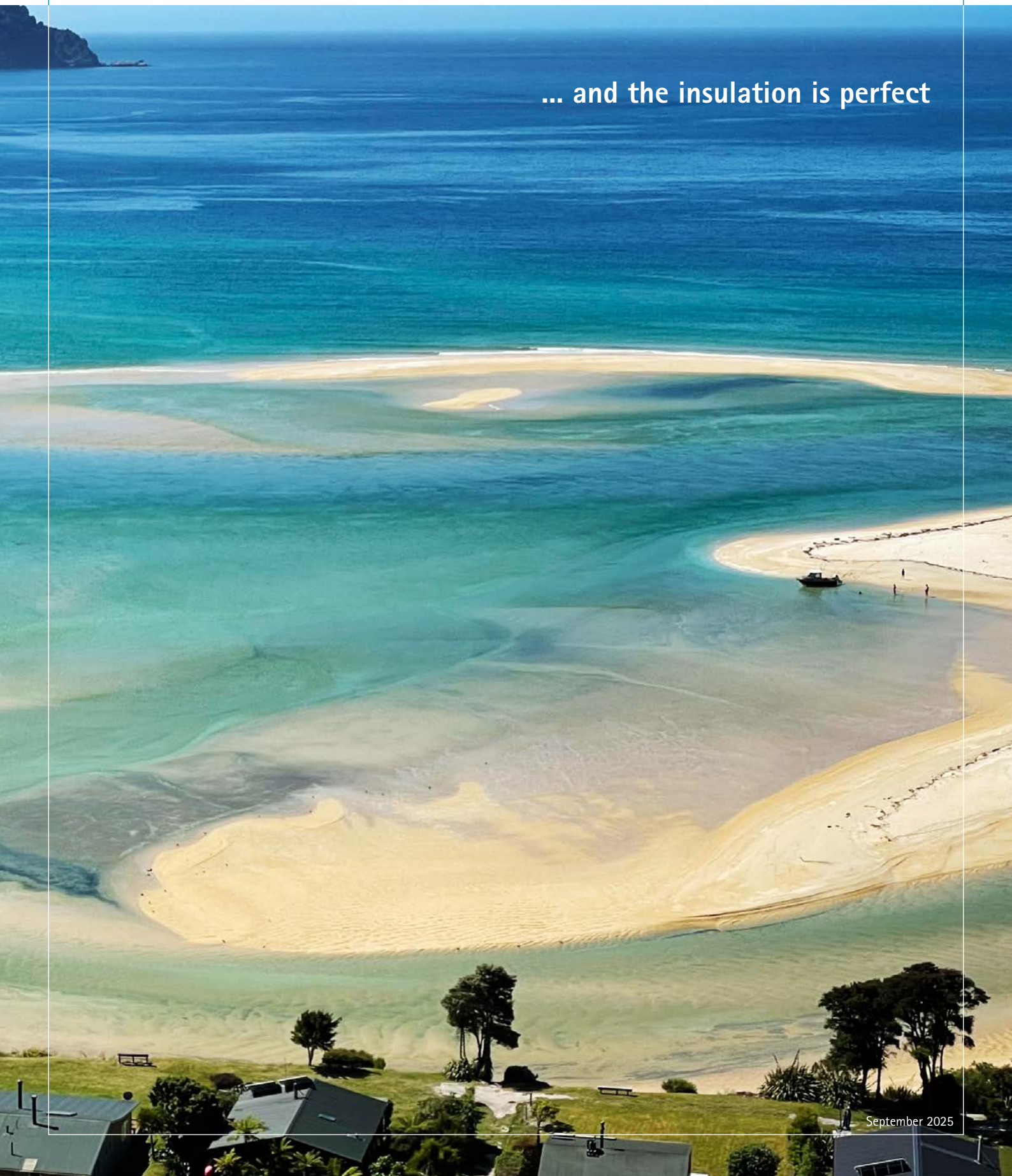
pro clima®

PRODUCT CATALOGUE

New Zealand



September 2025

Assisting You Across New Zealand

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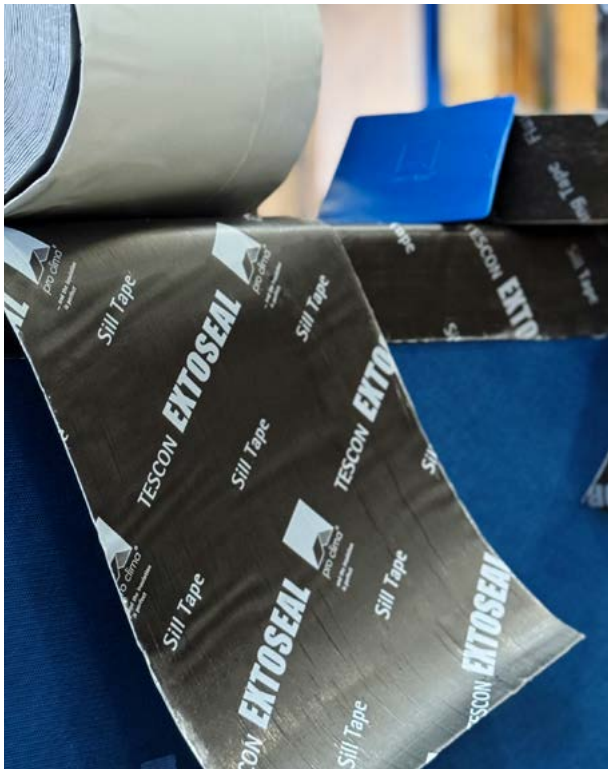


Airtightness

Weathertightness

Confirmed by Tests – 100 Year Durability

Permanent airtightness with Pro Clima!

- ✔ Reliable function tested for 700 days accelerated aging
- ✔ Independently confirmed
- ✔ Minimum requirements significantly exceeded

Thermal insulation and airtightness should perform for more than 50 years

Adhesive tapes which are applied to attain airtightness in accordance with DIN 4108-7, SIA 180 or OENORM B 8110-2 should have a durability of 50 to 100 years – after all, this is the expected service life of thermal insulation layers, to ensure that they protect against damage due to convection and moisture vapour ingress.

This period corresponds with reality as airtightness is currently being optimised and thermal insulation is being replaced or adapted for today's legal requirements on structures dating from the 1950s, 1960s and 1970s.

TESCON® Vana

17 years can be regarded as permanent

A process for accelerated aging of adhesive tape joints has been developed at the University of Kassel as part of a research project on "Quality assurance for adhesive-based joint technology in airtightness layers". With this process, adhesive tapes have to demonstrate certain specified minimum tensile strengths after being stored at increased air temperature and humidity (65 °C and 80% relative humidity) for a period of 120 days (this corresponds to around 17 years in reality). On successful completion of this test an adhesive tape can be regarded as permanent.

TESCON® PROFIL

Pro Clima adhesive tapes have been successfully tested for 700 days = 100 years

As part of tests to ascertain the durability of airtight joints, Pro Clima's TESCON® VANA*, UNI TAPE and TESCON No.1 adhesive tapes have also been subjected to accelerated aging at the University of Kassel under the conditions described above. At the request of Pro Clima, the test period was increased from 120 days to 700 days. Accelerated aging for 700 days corresponds to 100 years in reality. The test results for the three adhesive tapes from Pro Clima were also positive for this increased period of accelerated aging. The composition of the solid acrylate adhesive used on TESCON® PROFIL & TESCON EXTORA® sold in Australia and New Zealand is the same as TESCON® VANA that has been tested for 100-year adhesion.

TESCON EXTORA®

You are on the safe side with Pro Clima!

These demanding tests with increased test periods have confirmed the suitability of TESCON® VANA* adhesive tape for the creation of permanent airtightness which surpass the requirements of DIN 4108-7, SIA 180 and OENORM B 8110-2. This confirms that Intelligent Air Barriers, airtight wood-based panels and exterior Weather Resistive Barriers can be reliably bonded using pro clima products!

*The solid acrylate adhesive used on TESCON® PROFIL & TESCON EXTORA® sold in Australia and New Zealand is the same as TESCON® VANA tested for 100-year adhesion when used for airtightness only.

Complete building envelope system products

Made in Germany for New Zealand conditions.

AU GER UK EU IRL

NZ

Global

WARRANTY AGREEMENT

10 years • Comprehensive • Transparent • Fair

All pro clima products carry a worldwide warranty underwritten by Allianz insurance.

Pro Clima NZ Ltd., Level 1/47 The Esplanade, Petone, Lower Hutt, 5012 , New Zealand
in the name of Moll bauökologische Produkte GmbH, Rheintalstraße 35-43, 68723 Schwetzingen, Germany

Version: May 2024

1. Subject of this Warranty Agreement

Moll bauökologische Produkte GmbH (hereinafter referred to as "Moll") hereby assumes a limited manufacturer's warranty in accordance with the conditions of this Warranty Agreement for pro clima standard products supplied by Moll (hereinafter referred to as "product") for the benefit of the party entitled to make claims as per Clause 2 for the warranty period as per Clause 4.

2. Party entitled to make claims

The party entitled to make claims shall be the customer that purchased the product directly from Moll as well as this customer's end customer that processes the products, insofar as this end customer can prove that it has purchased the products from a direct customer of Moll (hereinafter referred to as the "Claimant"). Presentation of the purchase receipt or – insofar as no written contract exists – of the invoice (hereinafter referred to as the "proof of entitlement to make claims") shall suffice as proof of entitlement to make claims.

3. Warranty event

A warranty event in the sense of this Warranty Agreement shall only exist if a deviation in the characteristics of the product with respect to the specification from Moll that was valid at the time of the purchase becomes evident within the warranty period as per Clause 4 and if this deviation cannot be ascribed to an error in the use of the product – in particular, to non-observance of the operating, maintenance or installation instructions – or to external influences on the product. Moll explicitly refuses to provide any warranty that goes beyond this.

4. Warranty period

The warranty period for products shall begin at the time of the sale of the product by Moll to the first customer and shall end (10) ten years after this time.

5. Notification of a warranty event

If a warranty event as per Clause 3 occurs within the warranty period as per Clause 4, the Claimant must notify Moll of this in writing without delay within the warranty period as per Clause 4, but at the latest within fourteen days of the Claimant becoming aware of the warranty event, and the Claimant must include proof of entitlement to make claims with this notification.

6. Warranty claims

If the Claimant has notified Moll properly as per Clause 5 of a warranty event as per Clause 3 within the warranty period as per Clause 4, Moll shall at its own discretion supply a replacement product to the Claimant at the place of use of the defective product at Moll's own expense or shall rectify the fault with the product.
If the product has already been installed, Moll shall, at its own discretion, either bear the documented, reasonable costs for its installation and removal or else commission a third party to carry out installation and removal. The Claimant who makes a claim in this manner must present a binding cost estimate to Moll at the Claimant's own expense and obtain a decision from Moll as to whether Moll will bear these costs or commission a third party to carry out installation and removal.

7. Period of limitation

The warranty claims, as per Clause 6, shall expire within one year of notification of these claims being provided.

8. Legal claims

Any legal claims by the Claimant against Moll or against a customer of Moll as a seller shall remain unaffected by this Warranty Agreement.

9. Final provisions

Schwetzingen is hereby agreed as the exclusive place of jurisdiction for both parties. However, Moll shall also be entitled to take legal action against the Claimant at the Claimant's generally applicable place of jurisdiction.

This Warranty Agreement shall be solely subject to German law to the exclusion of the United Nations Convention on Contracts for the International Sale of Goods (CISG).
Should individual provisions of these Terms and Conditions be or become legally invalid, the legal validity of the remaining provisions shall remain unaffected. In this case, the parties shall be obliged to conduct negotiations in good faith with the aim of replacing the invalid provision with a valid provision that corresponds as closely as possible to the intended economic purpose of the invalid provision. This shall apply accordingly in cases of loopholes in this Warranty Agreement. All pro clima products carry a worldwide warranty underwritten by Allianz insurance.

Project: HomeGround, Auckland City Mission – Te Tapui Atawhai Auckland
Architect: Stevens Lawson Architects
Photographer: Dave Simpson

Pro Clima EPD certifications – giving you the facts to build responsibly.

As pioneers in ecological and sustainable building, we at Pro Clima have always provided transparent product information. EPDs are the next logical step on this journey.

An Environmental Product Declaration (EPD) describes the environmental impact of construction materials, products, and components based on their environmental profiles, functional properties, and technical specifications. This verified, quantitative information covers the product's entire life cycle, making EPDs a critical foundation for assessing the sustainability of built structures.

An overview of the pro clima EPDs:
https://proclima.co.nz/comfort-and-sustainability/epd-verification

Pro Clima airtightness achieves the highest Passive House certification level

phA
CERTIFIED COMPONENT
Passive House Institute

Energy efficiency – the prevention of building damage, and healthy indoor air – all depend on one key factor: the airtightness of the building envelope. With its successful certification as a Passive House component, pro clima INTELLO is the first Hydrosafe airtightness system to demonstrate that it reliably meets this requirement once installed.

Architects, designers, builders, and installers – you can rely on INTELLO to deliver the performance needed to meet the highest Passive House standards. The system's extremely low air permeability – just 0.01 $m^3/(m^2 \cdot h)$ – is achieved thanks to tried and tested adhesives, spray-on sealants, and tapes: AEROSANA VISCONN, ORCON, and CONTEGA SOLIDO SL-D for simple, secure connections to plaster, masonry, and concrete; TESCON VANA for bonding membrane overlaps and connecting to rigid wood-based panels (OSB). Reliable and easy pipe and cable penetrations are ensured with the certified KAFLEX and ROFLEX grommets. All tested pro clima systems meet the highest performance class – phA – as defined by the Passive House Institute in Germany.

KAFLEX / ROFLEX
Sealing grommets for cables and pipes

INTELLO PLUS
Humidity-variable Hydrosafe™ high-performance Intelligent Air Barrier

AEROSANA VISCONN
Spray-applied airtightness with a humidity-variable s_d-value

ORCON CLASSIC
Multi-purpose connection adhesive

TESCON VANA
Universal adhesive tape with fleece backing

CONTEGA SOLIDO SL-D
Full adhesive plaster and window connection tape for interior use

Architect: Denis Chin from Three Line Studio
Builder: Modern Homes
Photographer: Andre Vroon

Independently tested for durability

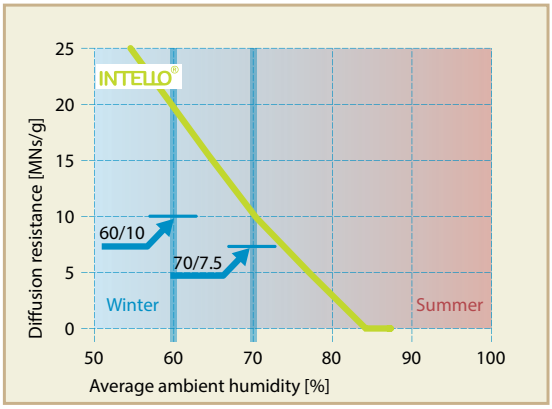
The long-term performance of the intelligent pro clima airtightness membranes INTELLO and INTELLO PLUS has been officially tested and confirmed. INTELLO and INTELLO PLUS now have a European Technical Assessment (ETA) issued by the German Institute for Construction Technology (DIBt), which verifies the durability of their humidity-variable properties. This is good news for New Zealand designers and installers: with pro clima INTELLO membranes, you're on the safe side. For the ETA, accelerated ageing tests were carried out at the accredited laboratories of MFPA Leipzig GmbH. These tests assumed an expected service life of at least 50 years for the humidity-variable vapour control layers INTELLO and INTELLO PLUS.

ETA
CE
European Technical Assessment
ETA – 18 / 1146

Increased humidity during the building phase: Hydrosafe™-value (70/7.5 rule)

In certain cases, buildings have a very high indoor humidity level of more than 90% during the construction phase when walls are being plastered or screed is being laid. The Hydrosafe™-value quantifies the protection of insulated timber structures against increased indoor humidity caused by construction work (building moisture) during the construction phase. It specifies the Moisture Vapour Transmission Resistance (MVTR) that a humidity-variable vapour and airtight membrane installed on the interior must have as a minimum to ensure that the insulation and structure itself are sufficiently protected against moisture during all phases of construction.

A Hydrosafe™-value of at least 7.5 MNs/g has been specified as offering sufficient protection at an average relative air humidity of 70%. INTELLO® achieves a Moisture Vapour Transmission Resistance (MVTR) of greater than 10 MNs/g at an average humidity of 70% (90% air humidity in the room and 50% air humidity in the insulation) and provides sufficient protection for building components even during the increased air humidities caused by construction work.




INTELLO®
pro clima
proclima.com
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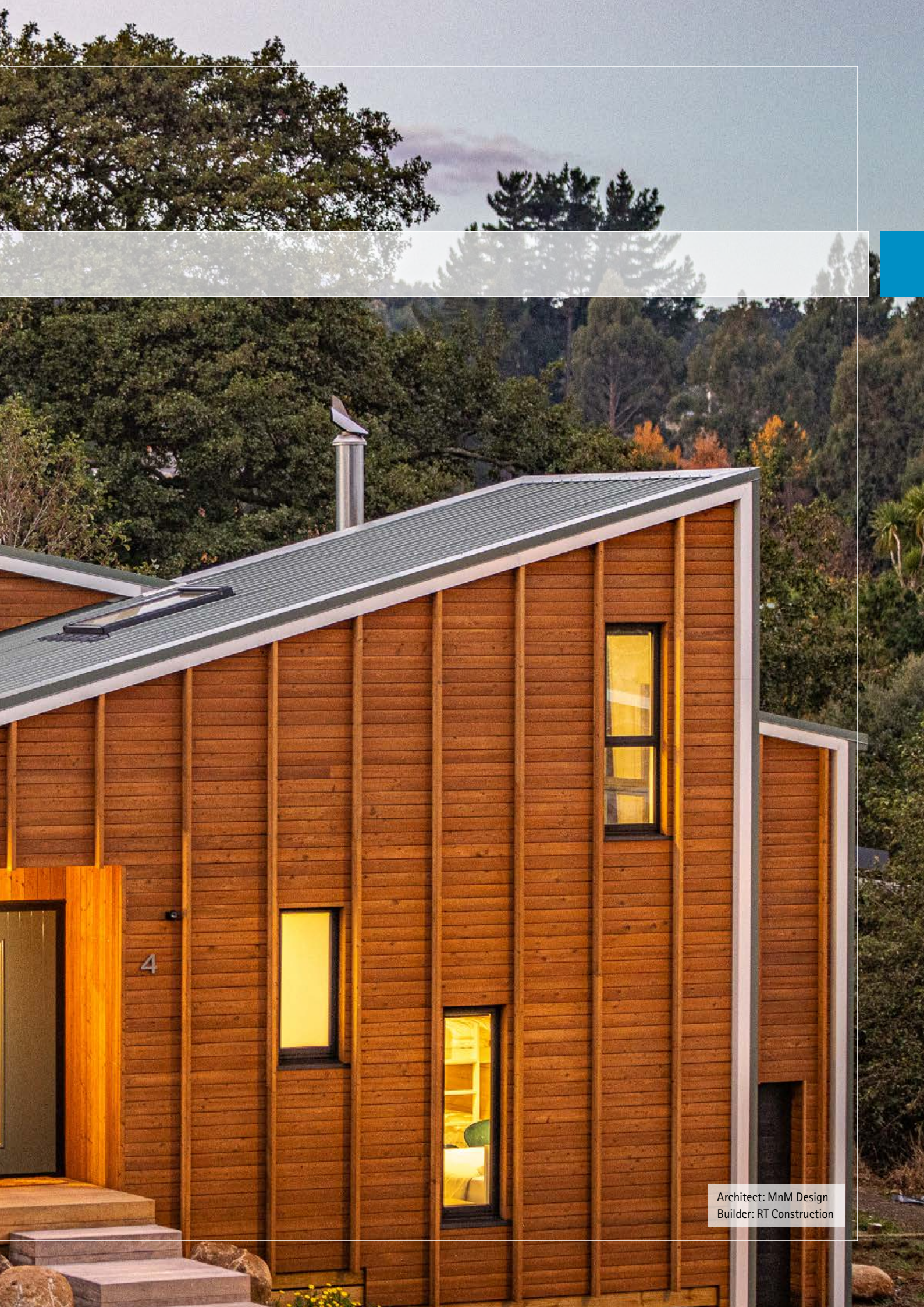
Why Airtightness Matters

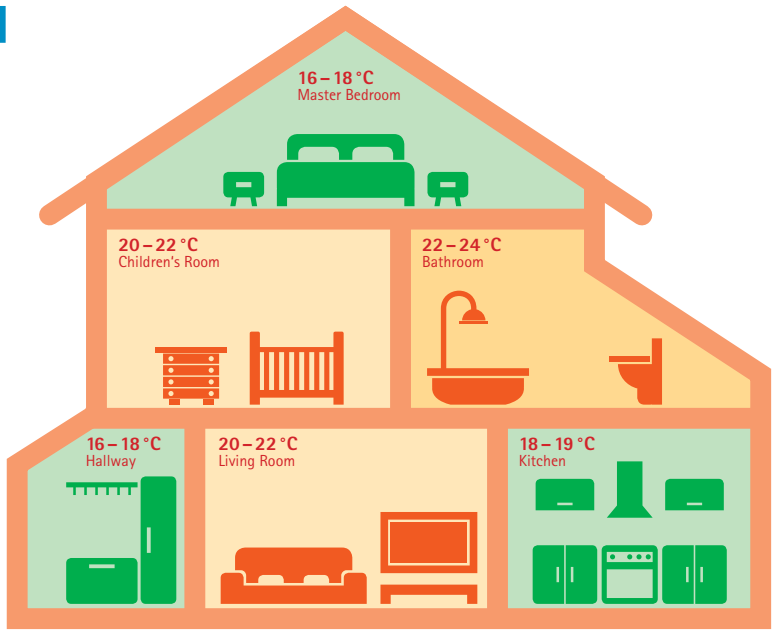
- Smarter energy use
- Avoid structural damage
- Create healthier buildings



Architect: MnM Design
Builder: RT Construction

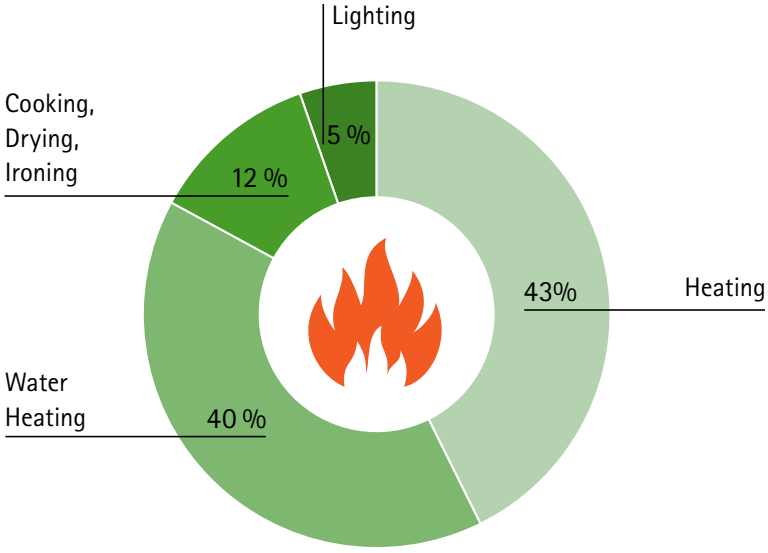
Energy efficiency and comfort at home

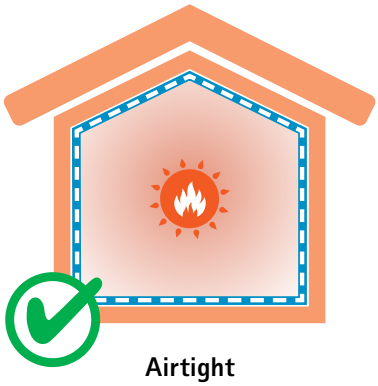
A well-insulated, airtight building envelope has a major impact on how comfortable we feel indoors, as well as how active and productive we can be. Of all factors, indoor air temperature most strongly influences our sense of comfort. In homes, the ideal temperature range in winter is between 20 °C and 23 °C, while in summer, temperatures up to 26 °C are still generally comfortable where 50% relative humidity is achieved. Airtightness plays a crucial role in ensuring winter insulation works effectively and in providing protection from summer heat.



Insulation and airtightness go hand in hand

Not Airtight
=
Large heating demand



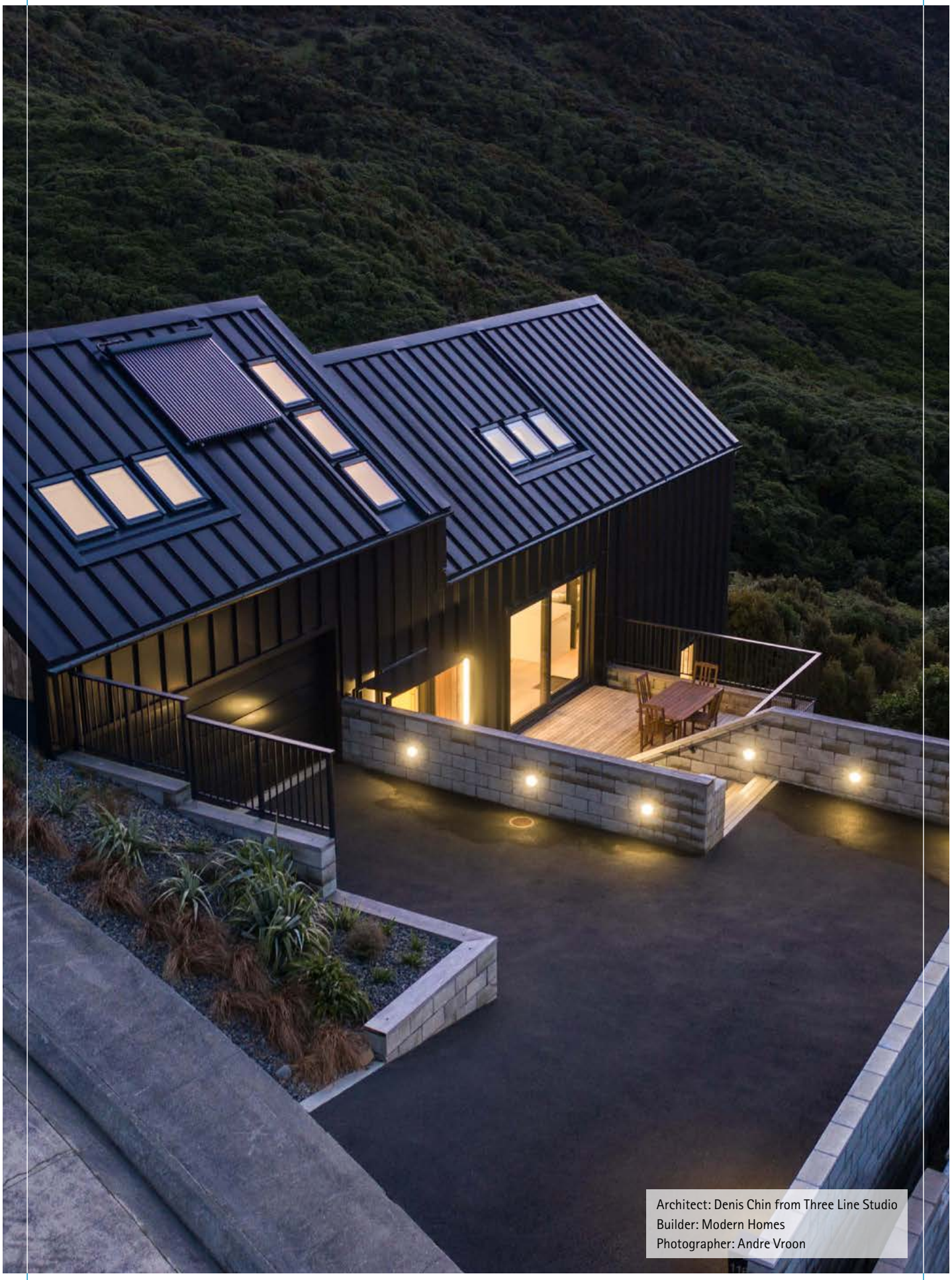


Airtight
=
Small heating demand

Residential energy use (EECA EEUD NZ)
Heating (Space Heating) – 42.66%
Water Heating – 40.25%
Low Temperature Heat (Cooking, Drying, Ironing) – 11.75%
Lighting – 5.33%

Dataset details:

- Organisation: Energy Efficiency and Conservation Authority (EECA), New Zealand
- Dataset: Energy End-Use Database (EEUD) – Residential Sector, Non-Transport Energy
- Coverage: Delivered energy (terajoules) by end-use, fuel, and technology
- Date of data: Calendar year 2023
- Date of release: 6 May 2025 (EEUD v1.4 update)



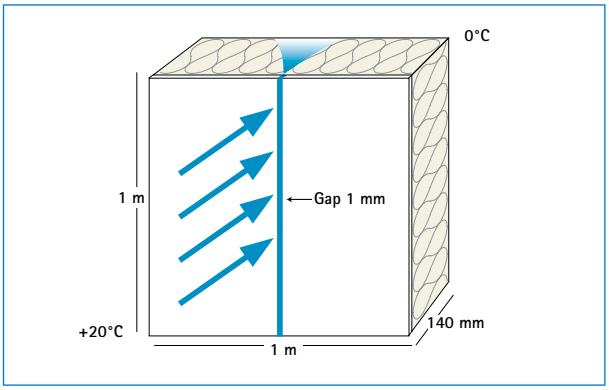
Architect: Denis Chin from Three Line Studio
Builder: Modern Homes
Photographer: Andre Vroon

Avoiding building damage

To build and maintain damage-free structures, they must be protected from moisture. Wind, rain, and snow are kept out by the wind-tight layer, such as an underlay or wall sheathing membrane. To stop condensation forming inside the insulation, a vapour control and airtightness layer is essential – but even small leaks in this layer can cause significant problems.

Airtight construction helps prevent structural damage

When a vapour control and airtightness membrane is fitted without gaps and fully sealed all around, only about 0.5 g of water per square metre can enter the structure on a winter's day – an amount too small to cause damage. But if there's even a 1mm gap in plasterboard, or a power point or light switch, as much as 800g of water per metre this 1mm gap can get into the insulation each day. That's 1,600 times worse – making damage and mould almost inevitable.



Measured by the Institute for Building Physics, Stuttgart

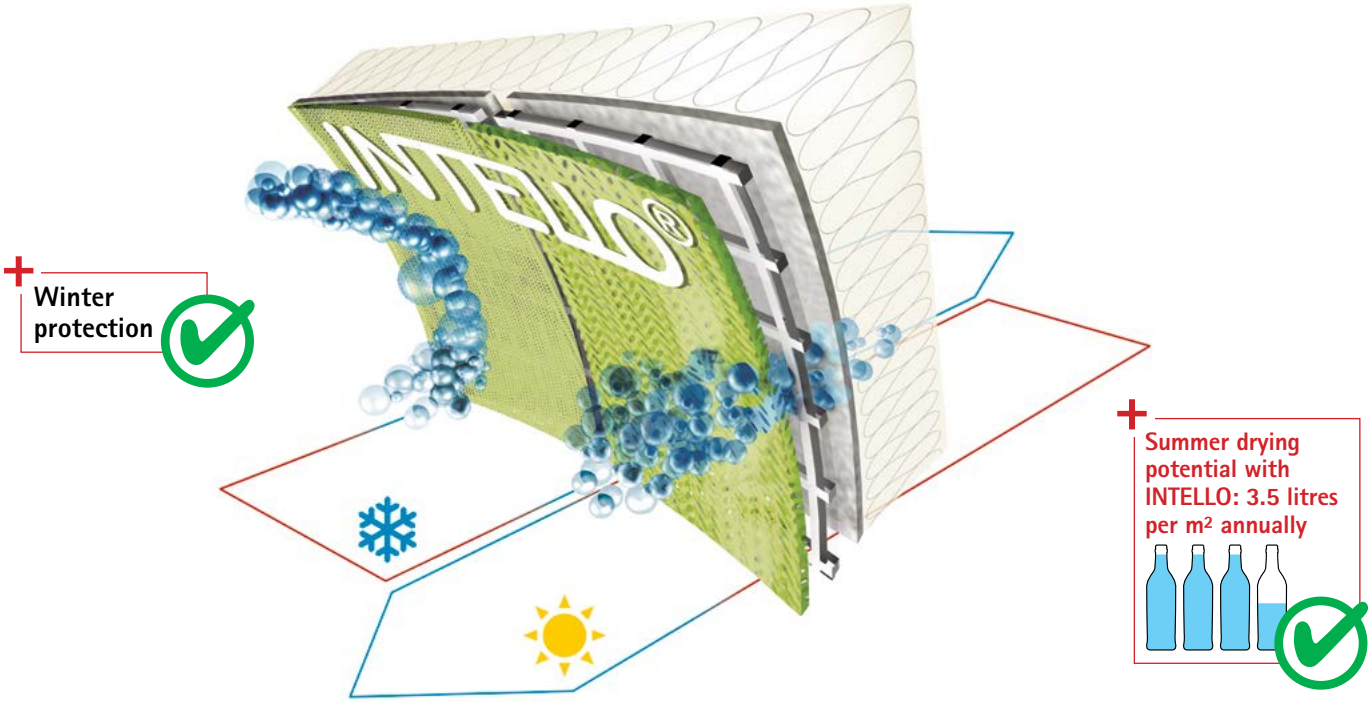
Moisture trapped in a building element can quickly cause mould growth

Many types of mould release toxins as by-products of their growth, including MVOCs (microbial volatile organic compounds) and spores that can be harmful to health. They are a major trigger for allergies, whether inhaled into the lungs or ingested with food.

More on the topic:
Airtightness
https://youtube.com/playlist?list=PLRAFQFMajen0CTSKnat50dTFcGaCq1ObO&si=PzmDDHyMNW6jt351

Safety through intelligent airtightness in buildings

The most effective defence against moisture and mould in building elements comes from vapour control and airtightness membranes with variable diffusion resistance. In winter, they tighten to protect the insulation from moisture ingress. In summer, they open up to allow exceptional vapour permeability, ensuring optimal drying. Conventional vapour barriers can't offer this extra layer of protection. When paired with vapour-open wind-tight membranes on the exterior, intelligent airtightness greatly improves building durability and promotes a healthier, mould-free indoor climate.

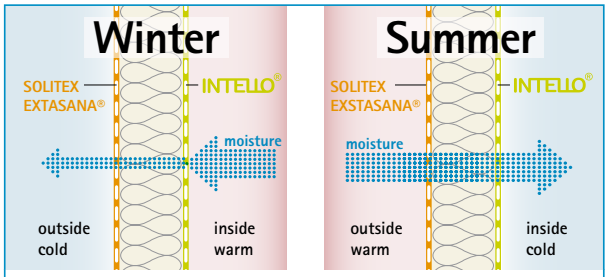


Benefits of airtightness and moisture control

Best solution: intelligent membranes

Vapour control membranes with a humidity-variable diffusion resistance offer the best protection against condensation damage.

In winter, they become more vapour-tight, giving the insulation maximum protection from moisture ingress. In summer, they can greatly reduce their diffusion resistance, ensuring the best possible conditions for drying out.



Outside colder than inside:
-> Diffusion inhibiting inside
-> Diffusion open outside
-> Optimised protection against mould

Outside warmer than inside:
-> Diffusion open inside
-> Diffusion open outside
-> Optimised protection against mould

Energy Efficiency

- ✔ Reduced air infiltration saves energy and therefore fewer heating / cooling appliances are needed
- ✔ Keeps your home warm in winter and cool in summer
- ✔ Reduce New Zealand's overall energy dependence

Freedom from structural damage

- ✔ Prevents moisture build up in the construction
- ✔ High drying capacity through the intelligent INTELLO® membrane

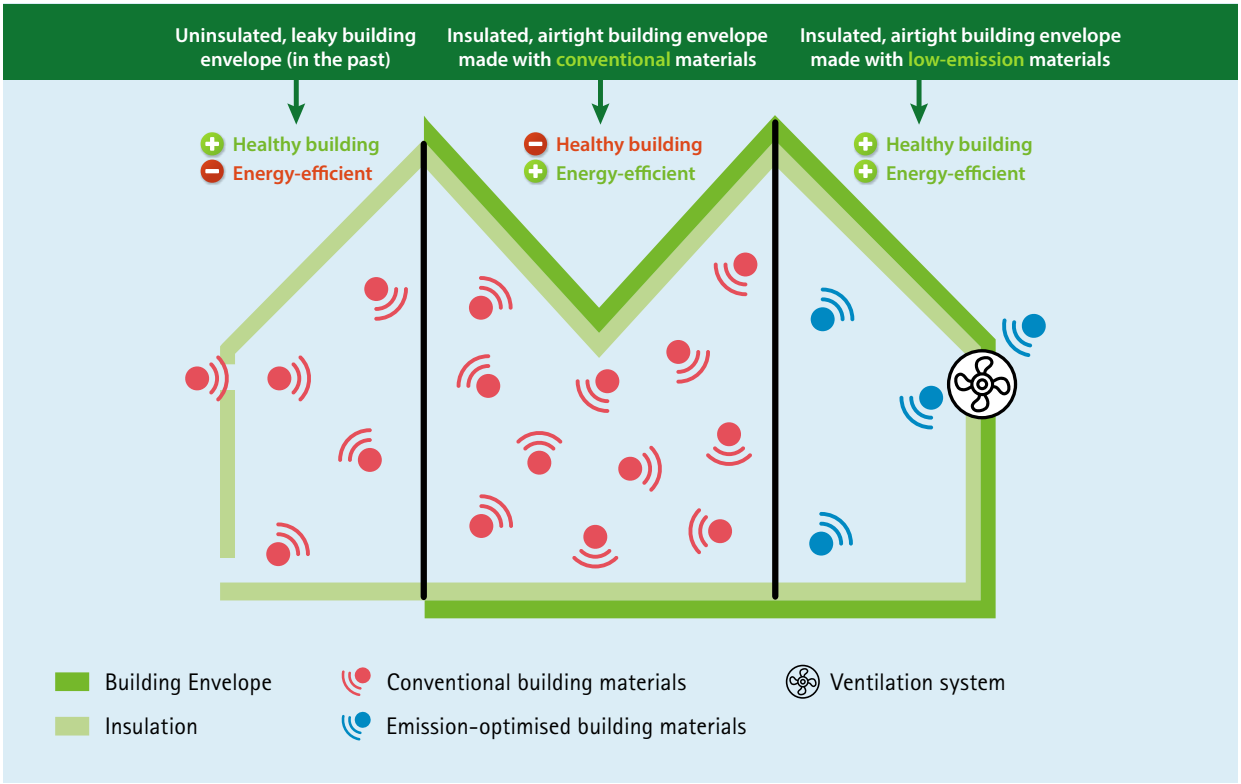
Indoor Air Quality

- ✔ Prevents mould and mildew in the construction from internally driven moisture
- ✔ Enables controlled ventilation

Creating comfortable, healthy indoor climate

People today spend, on average, 90% of their day indoors. How comfortable we feel in these spaces depends largely on the indoor climate and air quality. A healthy indoor environment and protection against mould and pollutants are possible with a correctly designed and installed airtightness layer, which ensures the building enclosure:

- ✔ Prevents mould damage
- ✔ Eliminates draughts
- ✔ Increase efficiency of ventilation
- ✔ Keeps hot air out in summer
- ✔ Stops the spread of fibres and dust
- ✔ In short: creates a comfortable living environment



Pollutant-tested materials from Pro Clima provide legal certainty

Building healthier with full assurance means you can rely on the high quality of pro clima products. Our systems are tested by independent institutes against strict requirements, and consistently achieve top results in pollutant testing.

SENTINEL HOLDING INSTITUT

SENSITIVE CHOICE

ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

Information on the level of volatile substance emissions into indoor air, indicating the potential risk of toxicity by inhalation, shown on a classification scale ranging from A+ (very low emissions) to C (high emissions).

Schadstoffgeprüft nach AgBB

Nach den Kriterien des Ausschusses zur gesundheitlichen Bewertung von Bauprodukten beim Umweltbundesamt

Initiatives for healthier, more comfortable living spaces

Children should be able to thrive at school — classrooms must not make them ill. The same principle applies to the workplace: healthy, productive, and cost-effective offices are within reach. Research projects demonstrate how better indoor air quality and carefully considered design create spaces that support wellbeing and performance. The results are already being put into practice in schools and office buildings around the world.

← Massey News

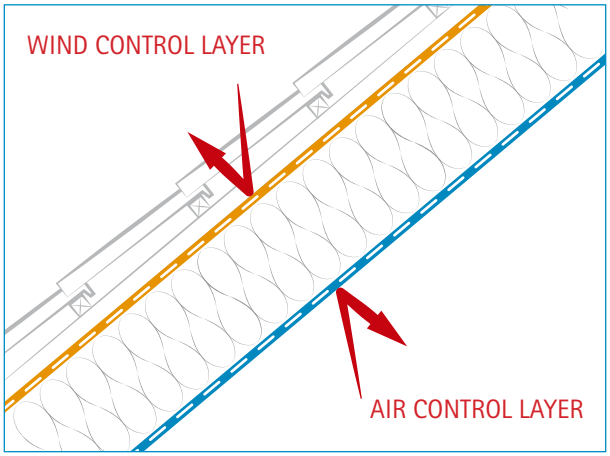
PhD research finds poor classroom air quality hinders learning

Monday 16 June 2025

For her PhD research, Dr Lara Tookey found that when classrooms were at comfortable temperature, had fresh air and low CO_2 levels, students performed better on cognitive tests.

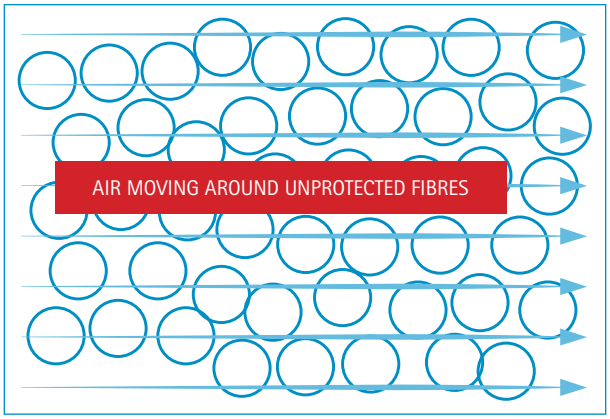
Massey News:
https://www.massey.ac.nz/about/news/phd-research-finds-poor-classroom-air-quality-hinders-learning/

The ideal build



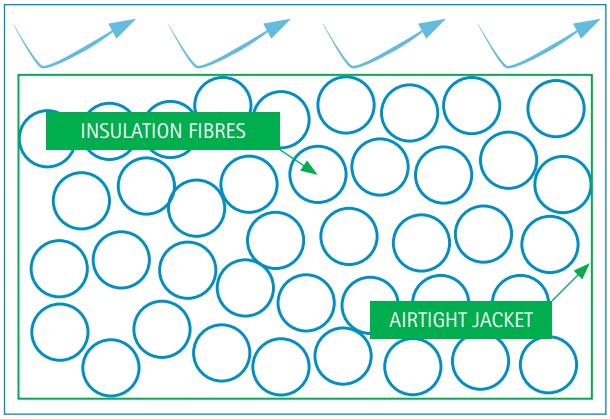
Still air is an excellent insulator. For this reason, trapped air molecules between insulation fibres are what create the insulating effect of cellulose, wood fibre, wool, mineral fibres, etc. The wind control layer around the insulation ensures the effectiveness of the thermal insulation and prevents the localised cooling of the surfaces facing the inside of a room.

+



Insulation by still air

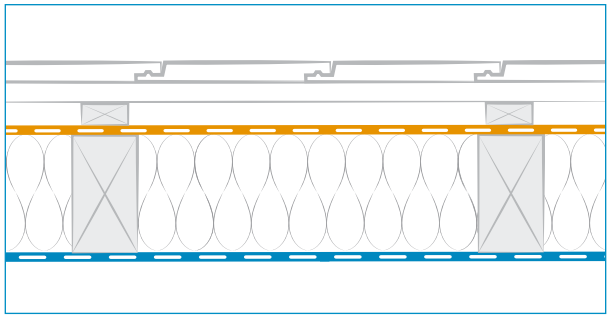
Unprotected insulation: Air movement in the porous structure reduces the insulating effect.



Protected thermal insulation

Protected insulation: No air movement possible in the porous structure, full insulation effect.

An example: The thermal insulation effect of a woollen jumper is based on the stationary air between the fibres: as soon as a cold wind starts to blow, the insulation effect decreases. However, the insulation effect is restored if you wear a thin windbreaker, which itself has no significant heating function, over the jumper.



Airtight on the inside, wind-tight on the outside

That's why, in the ideal insulation build-up, the insulation is sealed on all sides – on the outside with a wind-tight layer, such as a vapour-open underlay or wall sheathing membrane, and on the inside with an airtight vapour control layer.
The wind-tight layer stops cold outside air from flowing through the insulation, while the airtight layer prevents moist indoor air from getting in, protecting against condensation and mould growth.

Poor airtightness and its consequences

Economy / Heat losses

Building envelope unsealed: High heating costs

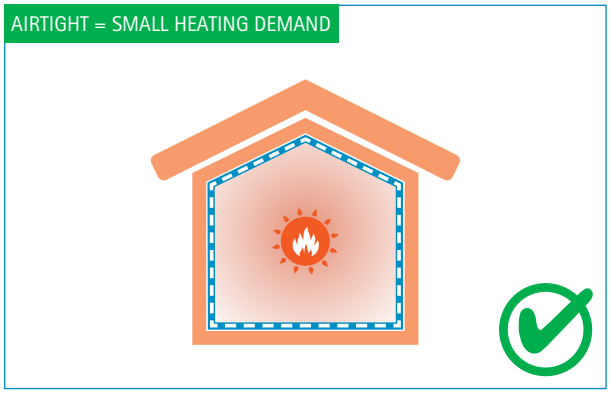
Even very small leaks in the vapour layer – such as those that arise due to faulty adhesion between membrane overlaps or joints – have far-reaching consequences. This type of weakness has the same effect as a continuous gap between the window frame and the walls – and of course nobody would tolerate such a gap! Accordingly, gaps in the vapour control layer should be given the same attention.

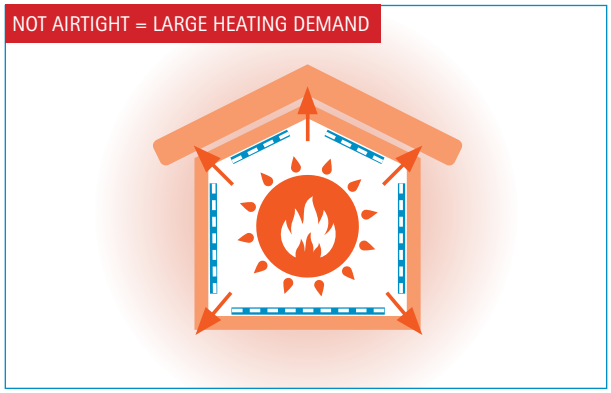
Sealed building envelope: Low costs

The higher heating costs caused by faulty seals lead to reduced effectiveness of the thermal insulation for the building owner.

A study by the Institute for Building Physics in Stuttgart (Germany) showed that the U-value (1/R-value) of a thermal insulation structure gets worse by a factor of 4.8. When applied to a practical case, this means that the same amount of energy is required for heating a house with a living space of 80 m² where airtightness leaks are present as would be required for an airtight house with a floor area of approx. 400 m².

The uncontrolled entry of air can also have a negative impact on the indoor environment, e.g. due to draughts, excessively dry indoor air in wintertime, or fast heating-up in summertime.

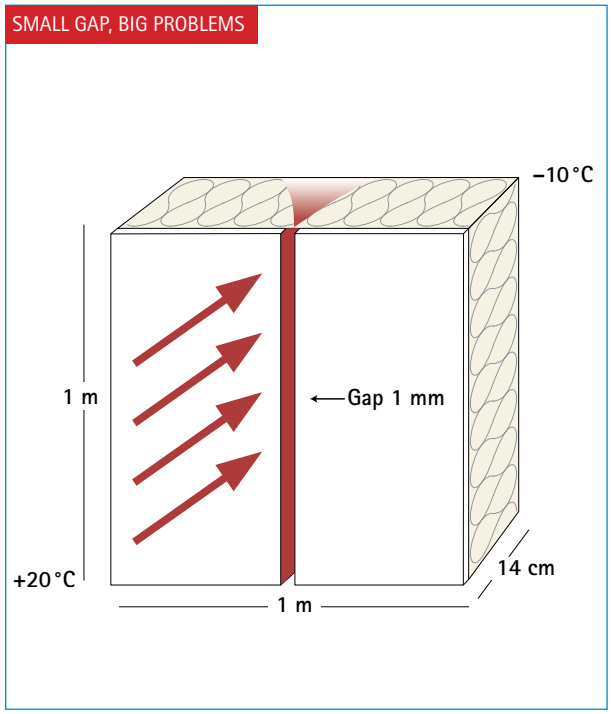




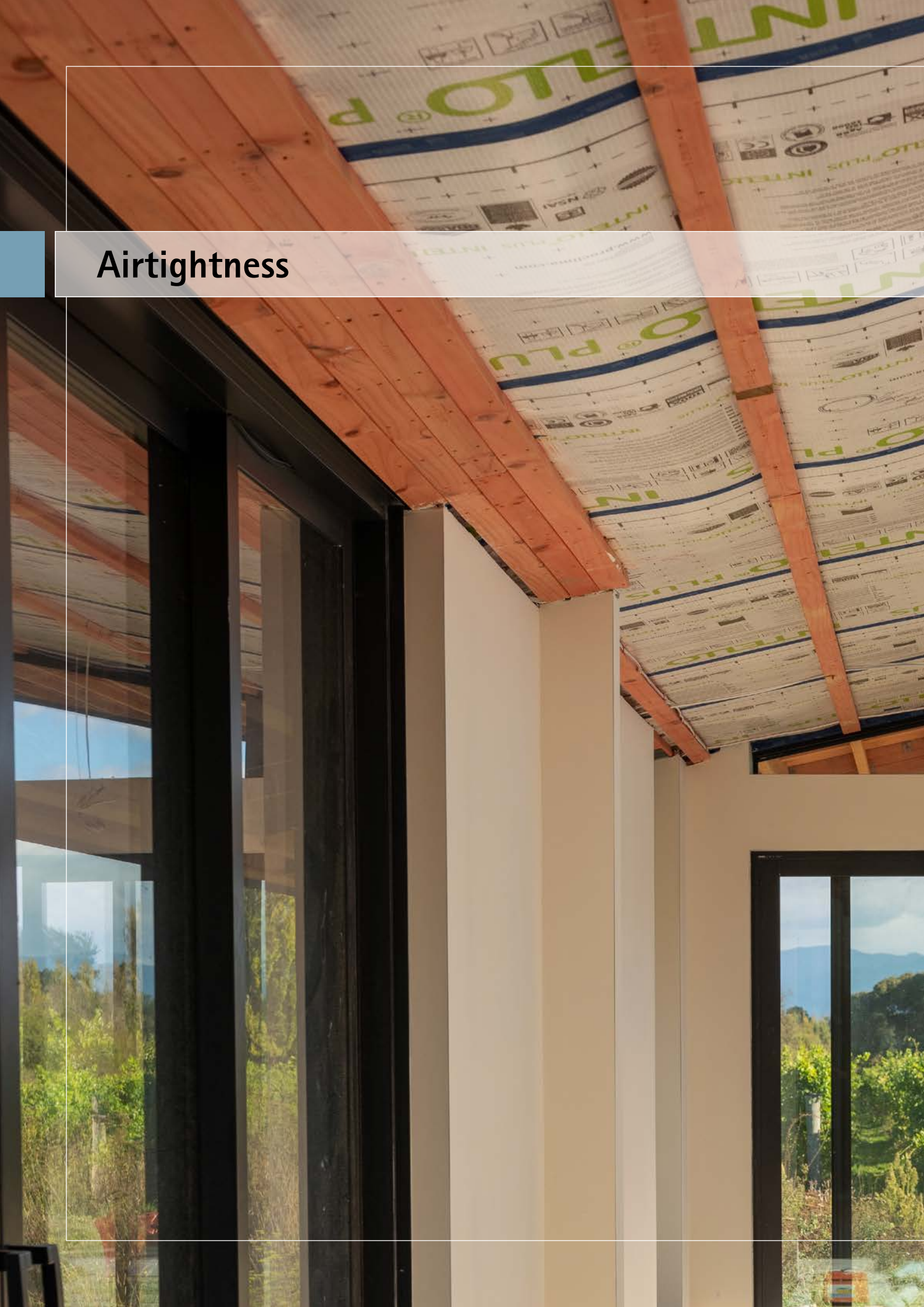
Only a gap-free thermal insulation structure provides the full insulation value

According to a publication by BRANZ Ltd. in 2010, houses in New Zealand require an average of 3,820 kWh per year for room heating [Building Research & Information "Energy in New Zealand Houses: comfort, physics and consumption"]. For an average living space of 100 m2, this corresponds to a heating requirement of almost 40 kWh per square metre of living space per year. A certified passive house may only require a maximum of 15 kWh/m2a – assuming the airtightness is perfect. Gaps in the airtightness layer of buildings lead to a significant increase in the energy requirement per square metre of living space.

The Institute for Building Physics in Stuttgart (Germany) studied a 1 x 1 m sized structure with a thermal insulation thickness of 140 mm. With a joint-free, airtight design, the previously calculated thermal performance of 0.30 W/(m²·K) was confirmed. However, if the same structure features just a 1 mm wide gap in the air control layer, the U-value (1/R-value) deteriorates to 1.44 W/(m²·K). This means almost 5 times more heat is lost than with the airtight construction.



Airtightness



Builder: Flip Build
Photography: David Hensel

INTELLO® Intelligent Airtightness System

INTELLO®
Intelligent
Air Barrier

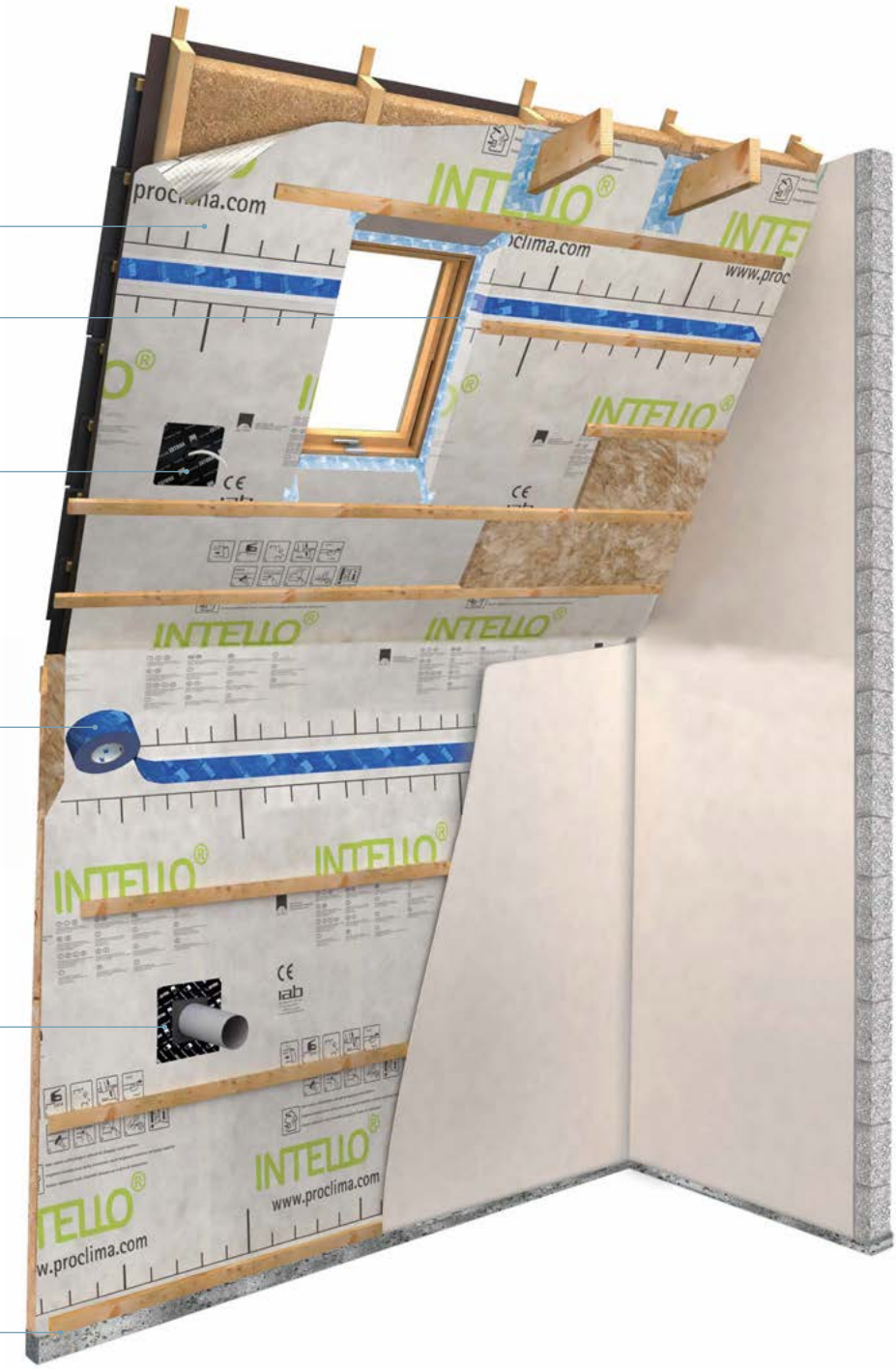
TESCON® PROFIL
Corner Sealing Tape

KAFLEX mono
Cable Sealing
Grommet

TESCON® VANA
Multi-Purpose
Adhesive Tape

ROFLEX
Sealing Grommet
For Pipes

ORCON® CLASSIC
Multi-Purpose
Liquid Adhesive



Benefits of Airtightness
Scan to go to website: https://proclima.co.nz/airtightness/

INTELLO® PLUS

Intelligent Air Barrier

APPLICATION: INTELLO® PLUS is a market-leading intelligent air barrier for all construction types, providing superior energy efficiency and moisture control. INTELLO® PLUS maximises the performance of your thermal insulation while restricting internal moisture entering the building envelope. INTELLO® PLUS is reinforced for strength and durability. Utilising Hydrosafe® technology, this intelligent air barrier is ideally suited to the New Zealand maritime climate. It provides optimal protection against structural damage and mould, even in the event of unexpected moisture intrusion.

ADVANTAGES:

- ✔ Promotes superior drying capacity with Hydrosafe® technology
- ✔ Intelligent Airtightness System (IAS) for warm, dry, healthy buildings
- ✔ Maximises the performance of thermal insulation
- ✔ Highly diffusion-resistant in winter and superior back-diffusion capacity in summer
- ✔ INTELLO® PLUS can be used with blown-in insulation

SYSTEM PRODUCTS:

TESCON® VANA; TESCON® PROFIL; ORCON® CLASSIC; INTELLO® conneX; KAFLEX; ROFLEX; INSTAABOX; DUPLEX; CONTEGA SOLIDO SL-D, CONTEGA® PV

ID CODE	LENGTH	WIDTH	AREA (*)	KG/ROLL	QTY
15468	20 m	1.50 m	30 m² (27.4 m²)	4	1
11367	50 m	1.50 m	75 m² (68.5 m²)	9	1
13590	50 m	3.00 m	150 m² (143.5 m²)	18	1

* Effective Coverage

TECHNICAL DATA:

Fleece:	PP microfibre fleeces	
Membrane:	polyethylene copolymer	
Reinforcement:	PP	
Thickness:	0.20 ±0.05 mm	
MVTR-value mGTIN/humidity-variable:	40 MNs/g / 1.25 > 125 MNs/g	
Surface weight:	110 ±15 g/m²	
Flammability index:	<5	AS 1530.2
Temperature resistance:	-40 °C to +80 °C	
Tensile strength MD/CD:	7.0 kN/m / 5.8 kN/m	

CE certification as per DIN EN 13984.

INTELLO®

Intelligent Air Barrier

APPLICATION: INTELLO® has all the function and performance of INTELLO® PLUS but without the reinforcing scrim. This makes it ideal for applications in prefabrication factories where little or no stress is placed on the product during installation.

ID CODE	LENGTH	WIDTH	AREA (*)	KG/ROLL	QTY
10091	20 m	1.50 m	30 m² (27.4 m²)	3.5	1
10090	50 m	1.50 m	75 m² (68.5 m²)	7	1
10077	50 m	3.00 m	150 m² (143.5 m²)	14	1

DIBt

CE 07 EN 13984

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Red List Free

iab Bord Agrément na hÉireann Irish Agrément Board

BRANZ Appraised Appraisal No. 1149

BBA BRITISH BOARD OF AGREMENT CERTIFICATE No 07/4432

SENSITIVE CHOICE

Declare.

50% RECYCLED PP NONWOVEN

INTELLO® & INTELLO® PLUS

INTELLO® conneX

Connection Strip for INTELLO® and INTELLO® PLUS

APPLICATION: INTELLO® conneX is a UV-stabilised humidity-variable strip that replaces the INTELLO® Connection strip. Installed during framing stage, INTELLO conneX is designed to ensure the continuity of the INTELLO® and INTELLO® PLUS Intelligent Air Barrier (IAB) systems at framing junctions. Intended for use at intermediate floor junctions and internal to external wall junctions. It's strong and durable allowing up to 90 days of UV exposure prior to being covered by internal linings or external cladding.

ADVANTAGES:

- ✔ 90 days UV exposure during framing
- ✔ Optimum prevention of structural damage and mould, even in the event of unexpected moisture intrusion
- ✔ Extremely high humidity-variable diffusion resistance
- ✔ MVTR-value = 125 MNs/g in a winter climate;
- ✔ MVTR-value = 1.25 MNs/g back-diffusion capacity in summer

SYSTEM PRODUCTS:

TESCON® VANA; TESCON EXTORA®; ORCON® CLASSIC

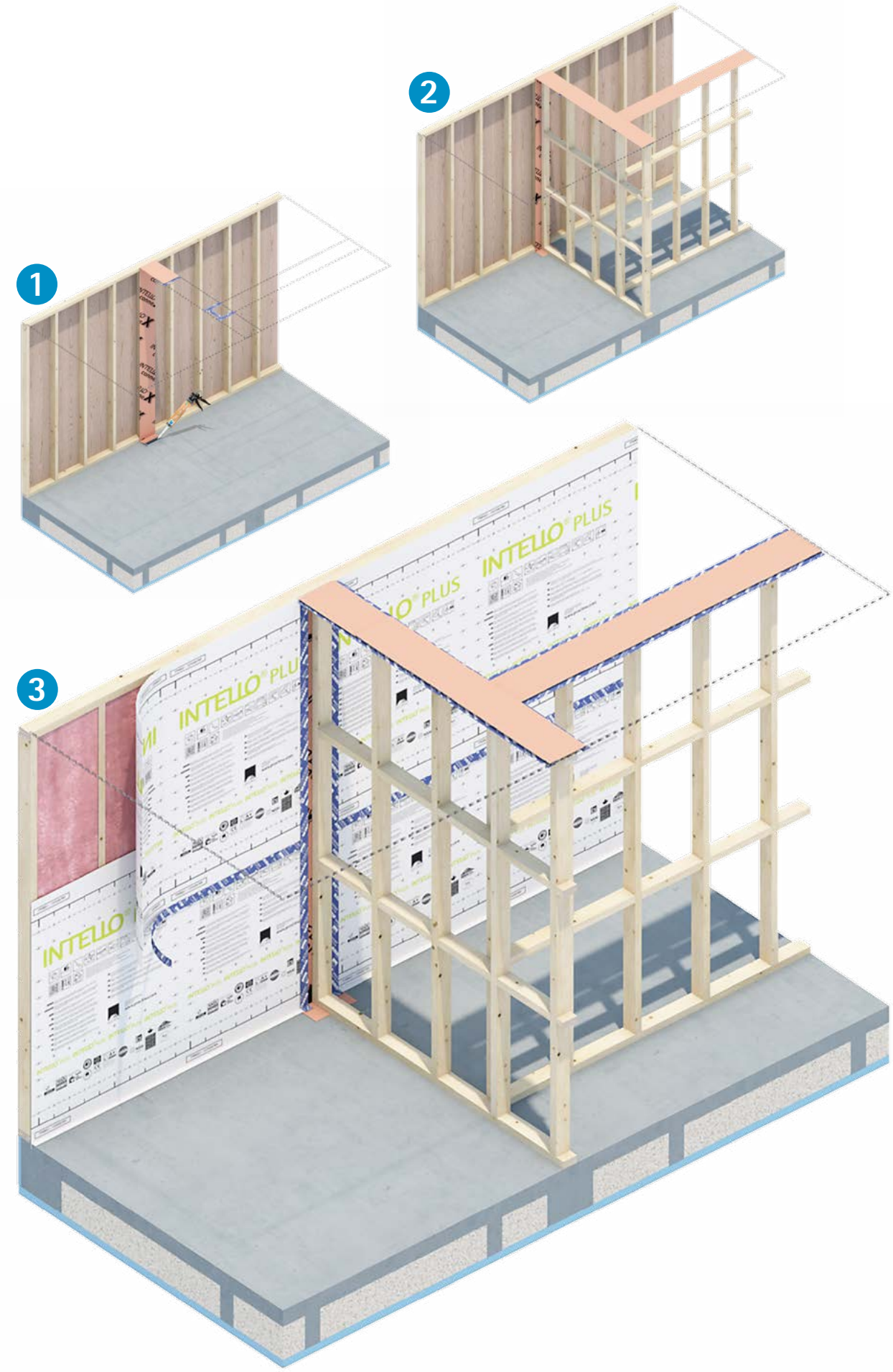
ID CODE	LENGTH	WIDTH	AREA	KG/ROLL	QTY
1AR02326	50 m	300 mm	15 m^2	3.6	1
1AR03352	50 m	900 mm	45 m^2	10.8	1

TECHNICAL DATA:

Fleece:	PP microfibre fleeces
Membrane:	PE copolymer
Thickness:	< 1 mm
Moisture Vapour Transmission Resistance (MVTR):	1.25 > 125 MNs/g
Temperature resistance:	-40 °C to +80 °C
UV stability and outdoor exposure:	90 days
Flammability index:	< 5
Surface weight:	300 ± 5g/m^2

BRANZ Appraised
Appraisal No. 1149

INTELLO® conneX Application



DB+

Reinforced Vapour Control Layer and Airtightness Membrane

APPLICATION: DB+ is the original humidity-variable vapour control layer. Reinforced cellulose-based vapour control layer and airtightness membrane for protecting insulation in timber frame construction.

ADVANTAGES:

- ✔ High protection against structural damage and mould, even in the event of unexpected moisture ingress
- ✔ Protection in a winter climate with MVTR-value of 20 MNs/g
- ✔ Back diffusion in summer with MVTR value of 2 MNs/g
- ✔ High tear resistance
- ✔ Suitable for all fibrous thermal insulation (also blown-in insulation)
- ✔ Ecological solution for sealing the building shell
- ✔ Lowest VOC rating in hazardous substance test

ID CODE	LENGTH	WIDTH	AREA (*)	KG/ROLL	QTY
10086	50 m	1.35 m	67.5 m² (60 m²)	13	1

* Effective Coverage

CE
07
EN 13984

SYSTEM PRODUCTS:

UNI TAPE; TESCON® VANA; TESCON® PROFIL; ORCON® CLASSIC; INTELLO® conneX; KAFLEX; ROFLEX; INSTAABOX; DUPLEX; CONTEGA SOLIDO SL-D; CONTEGA® PV

TECHNICAL DATA:

Carrier:	Recycled paper, paper, halogen and plasticiser-free PE film
Membrane:	Polyethylene copolymer
Colour:	Light blue
MVTR humidity-variable range:	2 MNs/g to 20 MNs/g
Temperature resistance:	-40 °C to 80 °C
Storage:	Cool and dry

CE certification as per DIN EN 13984.

UNI TAPE

Universal Adhesive Tape

APPLICATION: Uni Tape is a paper based universal adhesive tape for permanent, airtight and secure bonding of DB+ membranes.

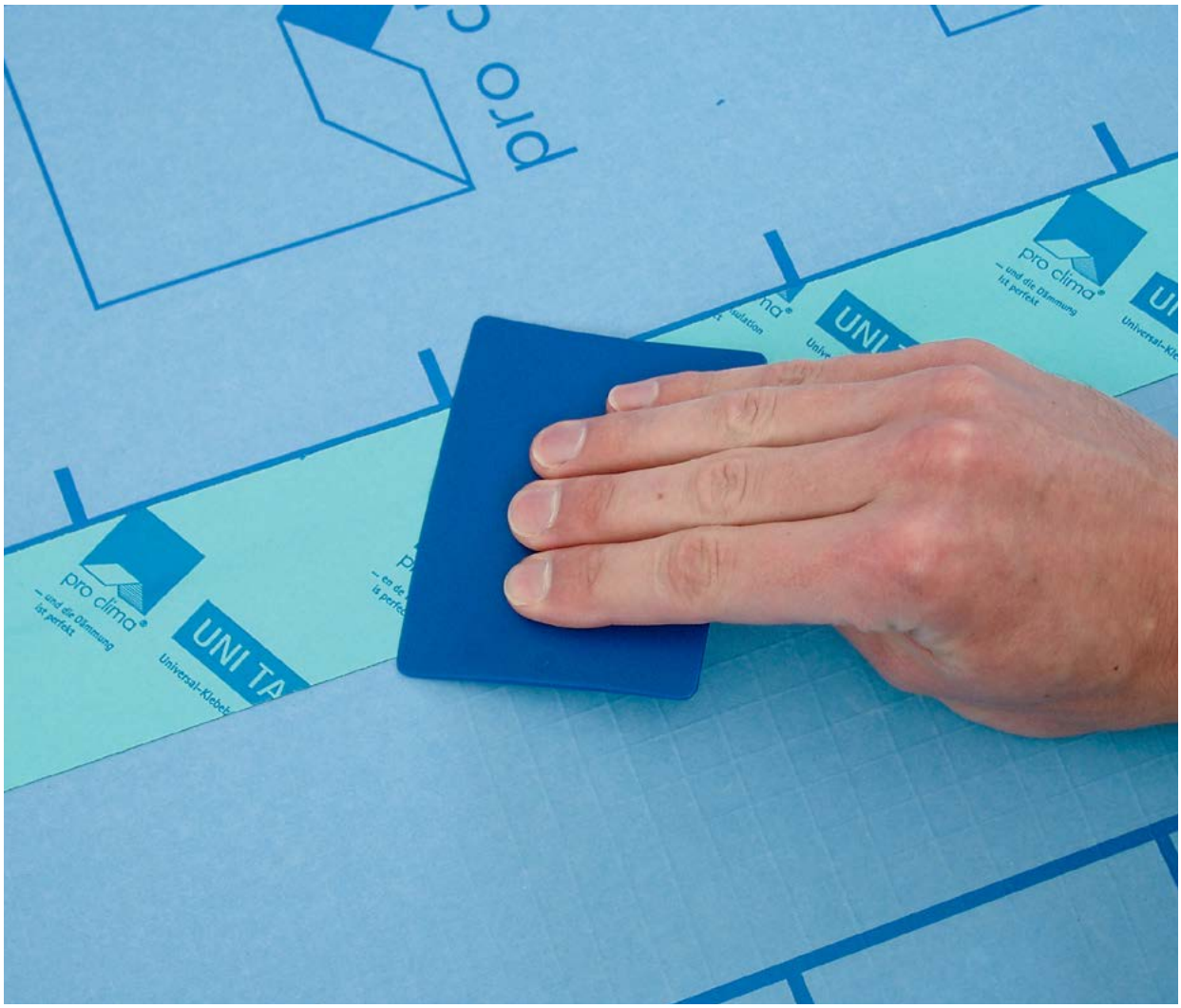
ADVANTAGES:

- ✔ Can be used for any indoor application
- ✔ For airtight bonds according to DIN 4108-7, SIA 180 and OENORM B 8110-2
- ✔ High initial bond strength
- ✔ Tears off easily by hand
- ✔ Waterproof adhesive
- ✔ Lowest VOC rating in hazardous substance test

ID CODE	LENGTH	WIDTH	QTY
10655	30 m	60 mm	1

TECHNICAL DATA:

Carrier material:	reinforced paper, PE coated
Release material:	siliconised paper
Temperature resistance:	-40 °C to +90 °C
Installation temperature:	above -10 °C
Storage:	cool and dry



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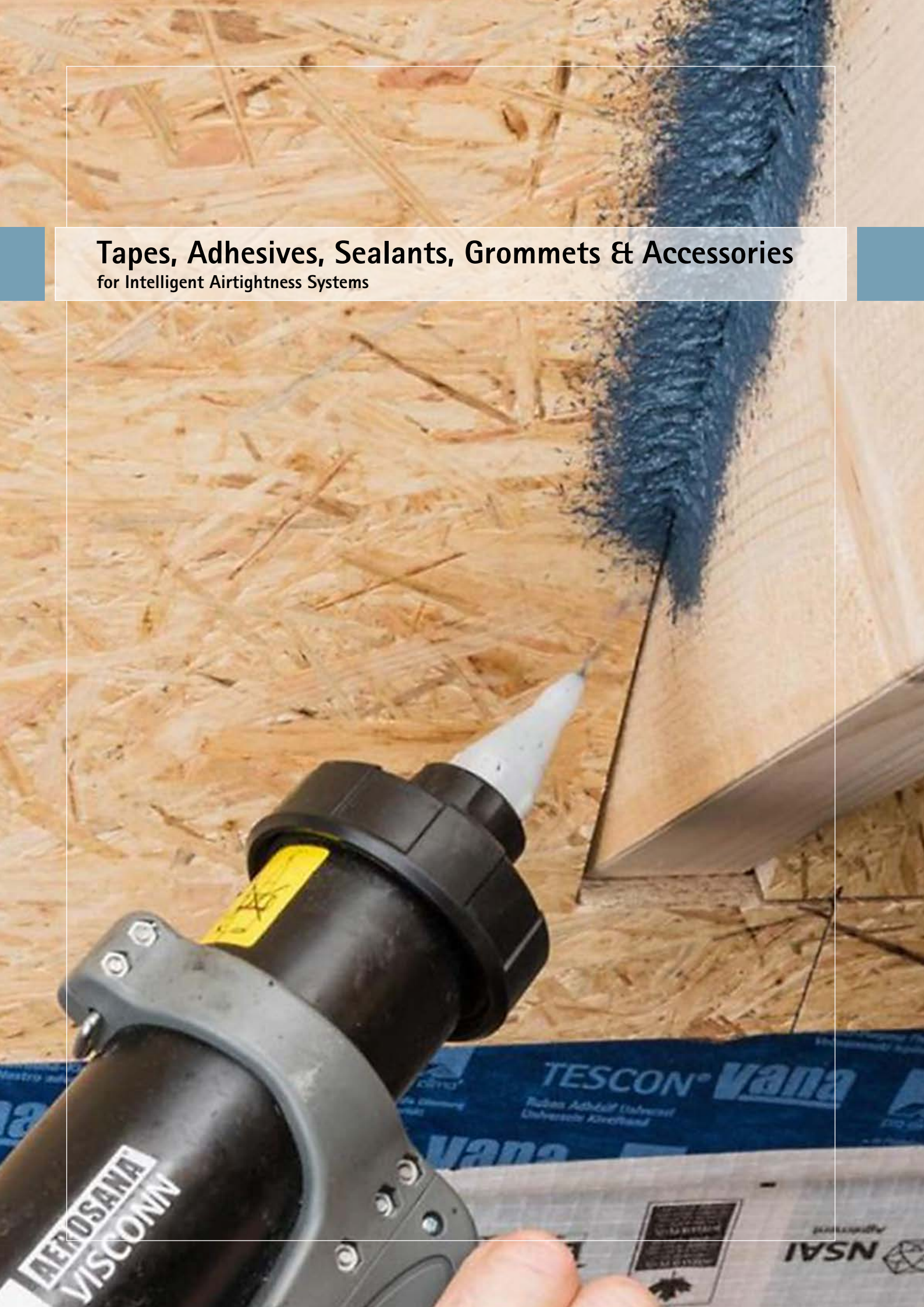
Tapes, Adhesives, Sealants, Grommets & Accessories

for Intelligent Airtightness Systems



TESCON® Vana

Multi-Purpose Adhesive Tape

APPLICATION: TESCON® VANA airtight sealing tape is an essential component of all air barrier systems. It is compatible with membranes, underlays, as well as timber products, fibre cement, concrete & masonry. TESCON® VANA is airtight and vapour permeable. It is flexible, easy to cut, and has a simple-to-remove release paper, ensuring maximum productivity during installation. TESCON® VANA provides an airtight adhesive seal to the substrate, forming excellent seals under all application conditions.

ADVANTAGES:

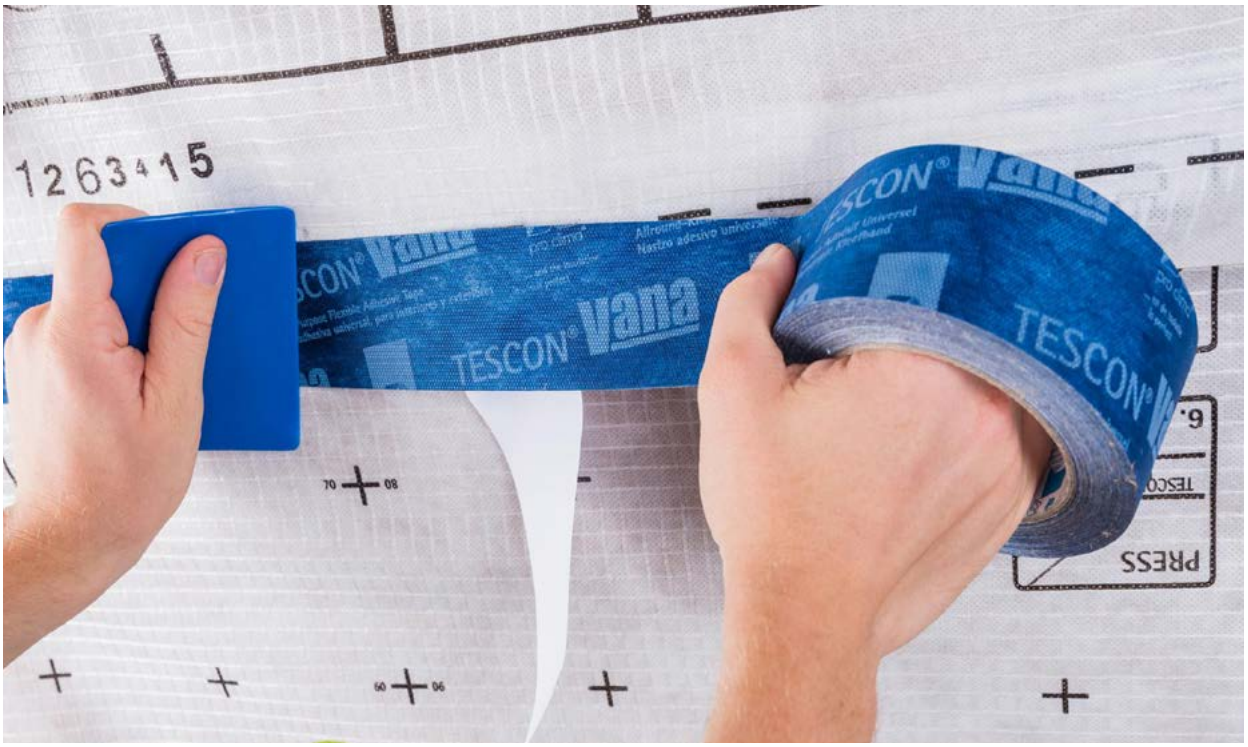
- ✔ Long-term durability (tested for 100-year adhesion)
- ✔ Flexible to account for building movement
- ✔ Outstanding adhesion on cold surfaces
- ✔ Thin, highly pliable
- ✔ Airtight connection for the life of the building

ID CODE	LENGTH	WIDTH	QTY	
12185	30 m	60 mm	1	
11365	30 m	60 mm	20	big pack*

*big pack product only sold per unit.

TECHNICAL DATA:

Carrier material:	special fleece made from PP
Adhesive:	acrylic adhesive
Release material:	siliconised paper
Temperature resistance:	long term -40 °C to +90 °C
Installation temperature:	from -10 °C
UV stability and outdoor exposure:	indoor use only
Colour:	dark blue
Storage:	cool and dry



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Declare.

TESCON® PROFIL

Corner Sealing Tape

APPLICATION: TESCON® PROFIL is specially designed for a secure and permanent airtight seal of junctions between INTELLO® Intelligent Air Barrier and window and door joinery. TESCON® PROFIL corner sealing tape is a valuable component of all air barrier systems. TESCON® PROFIL is airtight and vapour permeable. It is flexible, easy to cut, and has a simple-to-remove release paper, ensuring maximum productivity during installation. Use as a reliable and strong substitute for PEF rod and foam, or PEF rod and Wetseal. Tested to NZS4284:2008 achieving in excess of 4.85kPa.

ADVANTAGES:

- ✔ Specially designed for corner applications
- ✔ Three individual removable strips of release paper
- ✔ Long-term durability
- ✔ Instant visual check of air seal, no drying time required
- ✔ Flexible to account for building movement

ID CODE	LENGTH	WIDTH	QTY
1AR02137	30 m	60 mm	1

TECHNICAL DATA:

Carrier material:	special fleece made from PP
Adhesive:	acrylic adhesive
Release material:	siliconised paper in individual strips: 12 / 23 / 25 mm
Temperature resistance:	long term from -40 °C to +90 °C
Installation temperature:	over -10 °C
UV stability and outdoor exposure:	indoor use only
Colour:	light blue
Storage:	cool and dry

100 YEARS ADHESION
✔ successfully tested
✔ unique worldwide
www.proclima.com/100years

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Declare.

4.85 kPa
NZS4284:2008

ORCON® CLASSIC

Multi-Purpose Liquid Adhesive

APPLICATION: ORCON® CLASSIC is a durable, airtight, solvent-free sealing glue suitable for bonding all pro clima products to any building material; smooth or rough, masonry or timber. It is fast drying and performs even in extreme humidity or damp conditions.

ADVANTAGES:

- ✔ Provides a firm and durable elastic attachment
- ✔ Suitable for bonding of all pro clima membranes
- ✔ Airtight connection for the life of the building
- ✔ Excellent results in the hazardous substances test (ISO 16000)
- ✔ Cartridges are made from 100% post-consumer recycled materials

ID CODE	PACKAGING	VOLUME	EFFICIENCY/RANGE	QTY
12769	cartridge	310 ml	bead 5 mm ~ 15 m bead 8 mm ~ 6 m	1
12770	sausage	600 ml	bead 5 mm ~ 30 m bead 8 mm ~ 12 m	1

TECHNICAL DATA:

Material:	non-ageing acrylate polymers without softeners or halogenated compounds
Installation temperature:	-10 °C to +50 °C (adhesive temp. >0 °C)
Temperature resistance:	long term -20 °C to +80 °C
Storage:	> -20 °C, cool and dry

Red List Free

100% RECYCLED PLASTICS

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CONTEGA® SOLIDO SL-D

Full-surface adhesive window-sealing tape with an additional adhesive zone, for interior use

APPLICATION: For interior airtight and vapour-control joints between membranes or wood-based panels and windows, doors and mineral surfaces. The adhesive zone on the fleece side allows for easier adhesion to windows and doors if applied before they are installed. The taped joint is immediately airtight and can be subjected to loading. The fleece can also be plastered over in accordance with the installation instructions.

ADVANTAGES:

- ✔ Saves time: the joint is immediately airtight and can be subjected to loading
- ✔ Easy to work with thanks to the additional adhesive zone on the fleece side
- ✔ Can be plastered over directly: defined transition between window and/or vapour control and plasterwork
- ✔ Reliable joints: water-resistant SOLID adhesive has extremely strong adhesion on mineral substrates too
- ✔ Excellent values in hazardous substance testing, has been tested according to the ISO 16000 evaluation scheme

ID CODE	LENGTH	WIDTH	QTY
16038	30 m	80 mm	1

TECHNICAL DATA:

Backing	PP backing fleece, PP copolymer special membrane
Adhesive	Modified water-resistant SOLID adhesive
Release film	Single/double-split silicone-coated PE sheet

CONTEGA® PV

Render Connection Strip

APPLICATION: CONTEGA® PV is an interior connection strip designed to create airtight junctions between plastered or rendered surfaces and adjoining or penetrating structural elements. It is an essential product for transitions between masonry assemblies and common building elements. Suitable to connect interior masonry reveals to window and door joinery; penetrations by beams, columns and joists in masonry; and transitions from INTELLO®, DASATOP® and DB+ membranes to masonry construction. The mesh can be embedded into render and the fleece may be plastered or rendered over for a complete durable air barrier system.

ADVANTAGES:

- ✔ Effective air barrier transitions in common challenging situations
- ✔ Joins airtight render to INTELLO® PLUS
- ✔ Fleece side can be plastered or rendered in place
- ✔ Provides strong and durable plaster and render joints
- ✔ Airtight connection for the life of the building

ID CODE	LENGTH	WIDTH	QTY
15840	15 m	200 mm	1

TECHNICAL DATA:

Carrier material:	PET fleece with functional membrane and plaster reinforcement
Release material:	silicone-coated PE film
Temperature resistance:	long term -40 °C to +90 °C
Installation temperature:	above -10 °C
Colour:	light blue / dark blue
Storage:	cool and dry

INSTAABOX

Installation Box

APPLICATION: INSTAABOX allows for the airtight installation of electrical flush boxes for wall systems without a service cavity. It is attached and sealed to the intelligent airtightness barrier INTELLO® and INTELLO® PLUS.

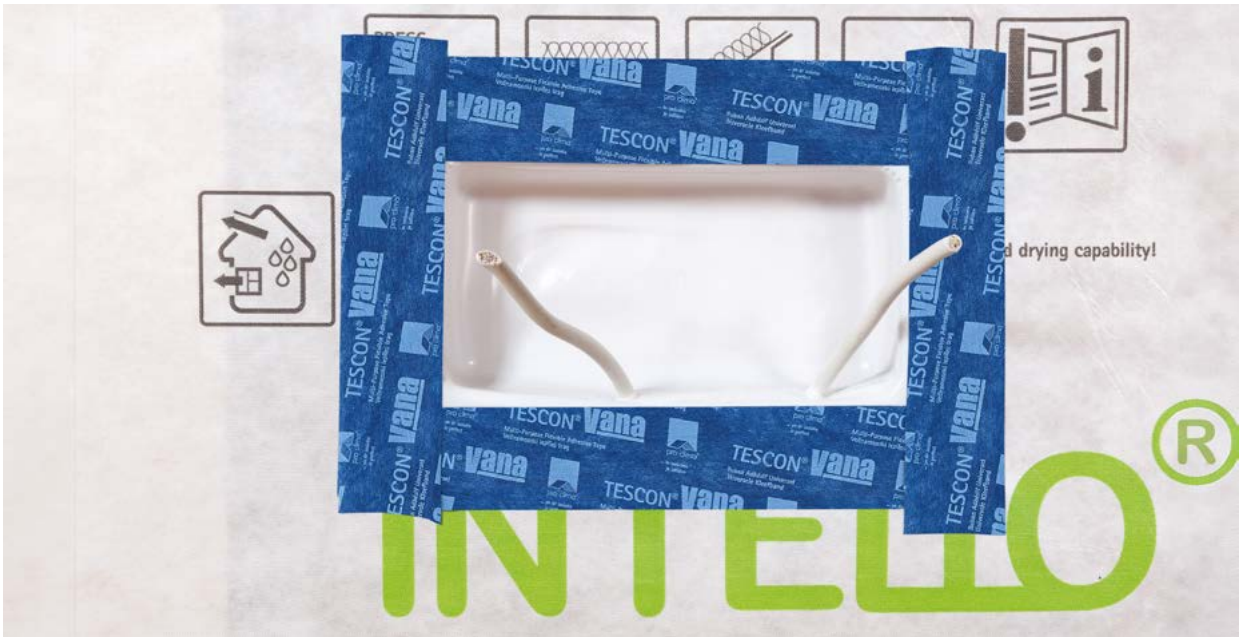
ADVANTAGES:

- ✔ Installation box for airtightness systems without a service cavity
- ✔ Provides space for up to three flush boxes
- ✔ Pre-pressed exit points for cables

ID CODE	LENGTH	WIDTH	QTY
1AR02160	320 m	190 mm	10

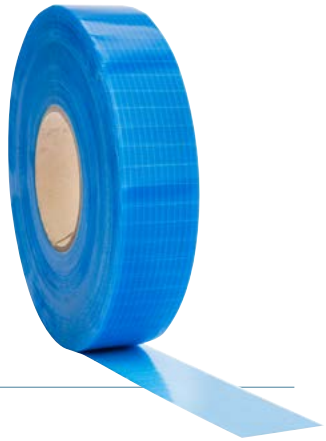
TECHNICAL DATA:

Material:	polyethylene, flexible
Temperature resistance:	–10 °C to +80 °C
Cable diameter:	max. 20 mm
Depth:	55 mm
Length / width installation space / opening:	260 mm / 130 mm



DUPLEX

Double-Sided Tape



APPLICATION: DUPLEX is an all-purpose double-sided tape, ideal for permanently bonding and sealing overlaps and end laps of Intelligent Air Barrier (IAB) membranes. It is also suitable for temporarily fixing INTELLO® and INTELLO® PLUS air barrier membrane to steel structures before mechanical fastening. It is flexible, easy to cut, and has a simple to remove release paper, ensuring maximum productivity during installation. DUPLEX is reinforced with a mesh, allowing it to remain thin, avoiding thick layered material build-ups while providing easy application.

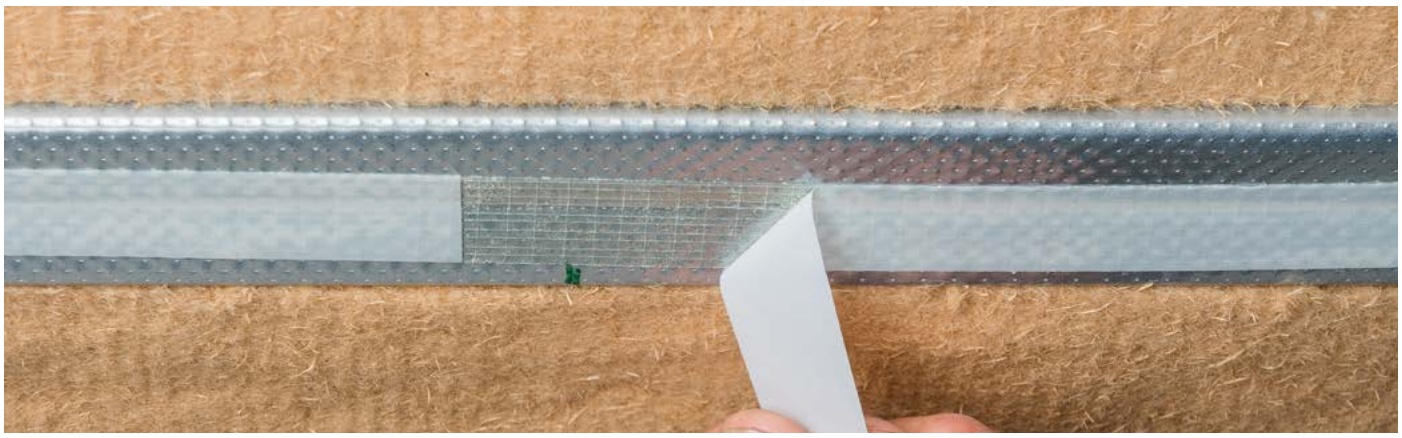
ADVANTAGES:

- ✔ Strong adhesion for maximum holding strength
- ✔ Double-sided for bonding and sealing layers
- ✔ Thin and flexible for easy application
- ✔ Can be applied to cold surfaces
- ✔ Reinforced for extra durability

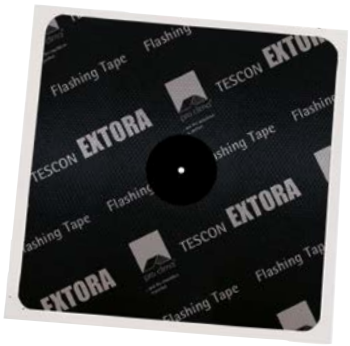
ID CODE	LENGTH	WIDTH	QTY
1AR03913	80 m	25 mm	1

TECHNICAL DATA:

Carrier paper:	PP reinforcement
Release material:	siliconised paper
Temperature resistance:	long term from -40 °C to +90 °C
Application temperature:	over -10 °C
UV stability and outdoor exposure:	indoor and outdoor use without direct UV exposure
Colour:	blue
Storage:	cool and dry



KAFLEX mono



Self-Adhesive Cable Sealing Grommet for 1 Cable, Ø 5 – 12 mm

APPLICATION: An airtight and weathertight sealing grommet made of strong, flexible EPDM with an integrated adhesive flange. KAFLEX is a beneficial component of all air barrier and weather-resistive barrier systems. It is compatible with membranes, underlays, as well as rigid sheathings, rigid wall underlays, and rigid air barriers. Strong, flexible, UV stable for up to 180 days. Simple-to-remove release paper ensures maximum productivity during installation.

ADVANTAGES:

- ✔ Airtight & watertight for the life of the building
- ✔ High quality EPDM, extremely flexible and elastic
- ✔ Excellent UV exposure – up to 180 days
- ✔ Long-term durability
- ✔ Supplied with TESCON EXTORA® Weathertight sealing tape for external and internal installation

ID CODE	LENGTH	WIDTH	QTY
13628	145 mm	145 mm	5

TECHNICAL DATA:

Material:	EXTORA Tape with EPDM
Temperature resistance:	long term -40 °C to +150 °C (EPDM) long term -40 °C to +90 °C (TESCON® EXTORA)
Installation temperature:	over -10 °C
Storage:	cool and dry
UV stability and outdoor exposure:	180 days

BRANZ Appraised
Appraisal No. 953

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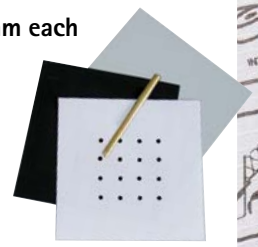
KAFLEX multi

Cable Sealing Grommet for up to 16 Cables, Ø 4.8 – 12 mm each



APPLICATION: KAFLEX multi is an airtight, weathertight EPDM grommet designed to seal up to 16 cable penetrations in façade and roof linings. Flexible and UV stable for up to 180 days, KAFLEX is integral to all air and weather-resistant barrier systems. It is compatible with membranes, underlays, rigid sheathings, rigid wall underlays, and rigid air barriers.

ADVANTAGES:

- ✔ Suitable for up to 16 penetrations in façades and roof linings
- ✔ Airtight & watertight for the life of the building
- ✔ High-quality EPDM, extremely flexible and elastic
- ✔ Supplied with TESCON EXTORA® weathertight sealing tape for external and internal installation.
- ✔ Long-term durability

BRANZ Appraised
Appraisal No. 953

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ID CODE	LENGTH	WIDTH	QTY
13630	140 mm	140 mm	2

TECHNICAL DATA:

Material:	EPDM
Temperature resistance:	long term -40 °C to +150 °C (EPDM) long term -40 °C to +90 °C (TESCON® EXTORA)
Installation temperature:	over -10 °C
Storage:	cool and dry

Internal use only.

KAFLEX post

Cable Sealing Grommet for Already Installed Cables

APPLICATION: KAFLEX post can be used to provide a durable seal to an installed cable that is already connected. Can be used in combination with internal membranes.

ADVANTAGES:

- ✔ Create airtight seals around cables that are already in place
- ✔ Simple, fast and secure application
- ✔ Airtight for the life of the building

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ID CODE	LENGTH	WIDTH	QTY
1AR05054	140 mm	140 mm	5

TECHNICAL DATA:

Material:	special fleece made from PP
Release paper:	siliconised paper
Temperature resistance:	long term -40 °C to +90 °C
Application temperature:	from -10 °C

ROFLEX 20

Self-Adhesive Sealing Grommet for 1 Pipe or Conduit, Ø 15 – 30 mm

APPLICATION: ROFLEX 20 is a sealing grommet ideally suited for quick and permanent airtight sealing of penetrations of conduit and pipes. It is made of strong and flexible EPDM and can be used inside to seal penetrations through the airtightness layer as well as outside for penetrations in the roof and wall underlays. Conduits and pipes can be pulled and pushed without damaging the airtightness layer.

ADVANTAGES:

- ✔ Airtight & watertight for the life of the building
- ✔ High-quality EPDM, extremely flexible and elastic
- ✔ Excellent UV exposure – up to 180 days

ID CODE	LENGTH	WIDTH	QTY
13605	145 mm	145 mm	5
13606	145 mm	145 mm	30 big pack*
15912	145 mm	145 mm	100 jumbo pack*

*big pack product only sold per unit.

*jumbo pack product only sold per unit.

TECHNICAL DATA:

Material:	TESCON EXTORA® Tape with EPDM
Temperature resistance:	long term -40 °C to +150 °C (EPDM) long term -40 °C to +90 °C (TESCON® EXTORA)
Installation temperature:	over -10 °C
Storage:	cool and dry
UV stability and outdoor exposure:	180 days

BRANZ Appraised
Appraisal No. 953

Red List Free

phA CERTIFIED COMPONENT Passive House Institute

ROFLEX 20 multi

Sealing Grommet for up to 9 Pipes or Cables

APPLICATION: ROFLEX 20 multi is a sealing grommet ideally suited for quick and permanent airtight sealing of up to 9 penetrations of cables and pipes. Supplied with a hole punch. It is made of strong and flexible EPDM and can be used inside to seal penetrations through the airtightness layer, as well as outside for penetrations in the roof and wall underlays. Conduits and pipes can be pulled and pushed without damaging the airtightness layer.

ADVANTAGES:

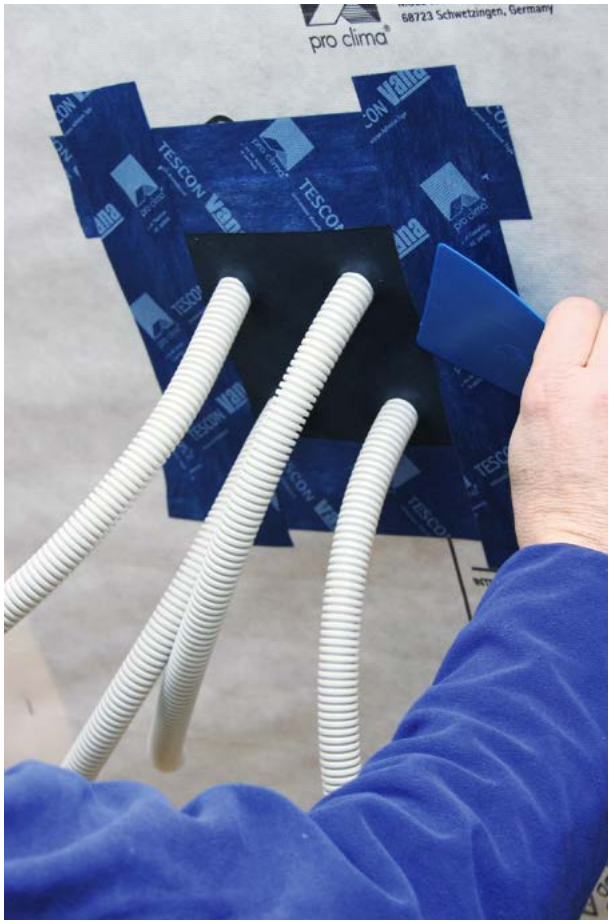
- ✔ Suitable for up to 9 penetrations in the airtightness layer, façades and roof underlays
- ✔ Airtight & watertight for the life of the building
- ✔ High-quality EPDM, extremely flexible and elastic
- ✔ Supplied with TESCON EXTORA® weathertight sealing tape for external and internal installation

ID CODE	LENGTH	WIDTH	QTY
12936	200 m	200 mm	2

Tape included

TECHNICAL DATA:

Material:	EPDM
Temperature resistance:	long term -40 °C to +150 °C (EPDM) long term -40 °C to +90 °C (TESCON® EXTORA)
Installation temperature:	from -10 °C
Storage:	cool and dry



BRANZ Appraised
Appraisal No. 953

Red List Free

phA CERTIFIED COMPONENT Passive House Institute

ROFLEX 30/50/100/150/200/250/300

Sealing Grommets for Pipes

APPLICATION: Sealing grommets are suited for quick and permanent airtight sealing of pipes' penetrations. They are made of strong and flexible EPDM and can be used inside to seal penetrations through the airtightness layer and outside for penetrations in the roof and wall underlays. Pipes can be pulled and pushed without damaging the airtightness layer.

ADVANTAGES:

- ✔ Airtight & watertight for the life of the building
- ✔ Ideal for sealing pipe penetrations
- ✔ High-quality EPDM, extremely flexible and elastic
- ✔ Supplied with TESCON EXTORA® Weathertight sealing tape for external and internal installation

PRODUCT	ID CODE	LENGTH	WIDTH	FOR DIAMETER	QTY	
ROFLEX 30	16704	140 mm	140 mm	Ø 30-50 mm	2**	
ROFLEX 30	16695	140 mm	140 mm	Ø 30-50 mm	20	big pack*
ROFLEX 30	1AR00149	140 mm	140 mm	Ø 30-50 mm	100	jumbo pack*
ROFLEX 50	13608	140 mm	140 mm	Ø 50-90 mm	2**	
ROFLEX 50	13609	140 mm	140 mm	Ø 50-90 mm	20	big pack*
ROFLEX 50	11362	140 mm	140 mm	Ø 50-90 mm	100	jumbo pack*
ROFLEX 100	13610	200 mm	200 mm	Ø 100-120 mm	2**	
ROFLEX 100	1AR02184	200 mm	200 mm	Ø 100-120 mm	10	big pack*
ROFLEX 100	13613	200 mm	200 mm	Ø 100-120 mm	20	big pack*
ROFLEX 100	16331	200 mm	200 mm	Ø 100-120 mm	100	jumbo pack*
ROFLEX 150	13614	250 mm	250 mm	Ø 120-170 mm	2**	
ROFLEX 150	1AR02201	250 mm	250 mm	Ø 120-170 mm	10	big pack*
ROFLEX 150	15908	250 mm	250 mm	Ø 120-170 mm	100	jumbo pack*
ROFLEX 200	13615	300 mm	300 mm	Ø 170-220 mm	2**	
ROFLEX 200	1AR02202	300 mm	300 mm	Ø 170-220 mm	10	big pack*
ROFLEX 200	13616	300 mm	300 mm	Ø 170-220 mm	20	big pack*
ROFLEX 250	13617	450 mm	450 mm	Ø 220-270 mm	2**	
ROFLEX 300	13618	500 mm	500 mm	Ø 270-320 mm	2**	

** tape included

*big pack product only sold per unit, tape not included.

*jumbo pack product only sold per unit, tape not included.

TECHNICAL DATA:

Material:	EPDM
Temperature resistance:	long term -40 °C to +150 °C (EPDM) long term -40 °C to +90 °C (TESCON® EXTORA)
Installation temperature:	over -10 °C
Storage:	cool and dry

BRANZ Appraised
Appraisal No. 953

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TESCON® Vana
Multi-Purpose Flexible Adhesive Tape
Cinta adhesiva universal, para interiores y exteriores
TESCON® Vana
TESCON® Vana
TELLO®


pro clima
TESCON® Vana
TESCON® Vana

DASATOP®

Retrofit Vapour Control Layer

APPLICATION: DASATOP® is an air-resistive barrier for installation over rafters and across sarking in roof renovation projects installed from the outside. DASATOP® protects structures from rain wetting during construction for up to four weeks while cladding is removed.

ADVANTAGES:

- ✔ Airtightness installed from the outside
- ✔ Specifically developed for roof restoration
- ✔ Humidity-variable MVTR
- ✔ No additional airtight joints are required at the rafters
- ✔ High tear resistance due to fleece reinforcement

SYSTEM PRODUCTS:
TESCON EXTORA®; TESCON EXTORA® PROFIL; ORCON® CLASSIC; KAFLEX; ROFLEX; CONTEGA® PV

ID CODE	LENGTH	WIDTH	AREA (*)	KG/ROLL	QTY
10094	50 m	1.50 m	75 m² (68.5 m²)	7	1

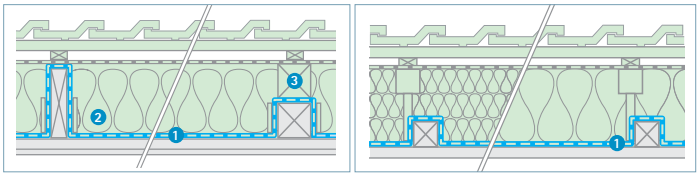
* Effective Coverage

TECHNICAL DATA:

Carrier:	PP fleece
Membrane:	Polyethylene copolymer
s_d-value:	0.05 - 2 m
Colour:	Green
Surface weight:	90 ±5 g/m²
MVTR-value:	8 ±1.25 MNs/g
MVTR humidity-variable range:	0.25 - 10 MNs/g
Water column:	> 1,500 mm
Temperature resistance:	-40 °C to 80 °C

CE certification as per DIN EN 13984.

External installation of vapour control layer for top and bottom of rafter



1. DASATOP® airtight membrane
2. Position held by DASATOP® FIX
3. Frame

CE
07
EN 13984

Materialgarantie hinterlegt beim ZVDH

DASATOP® FIX

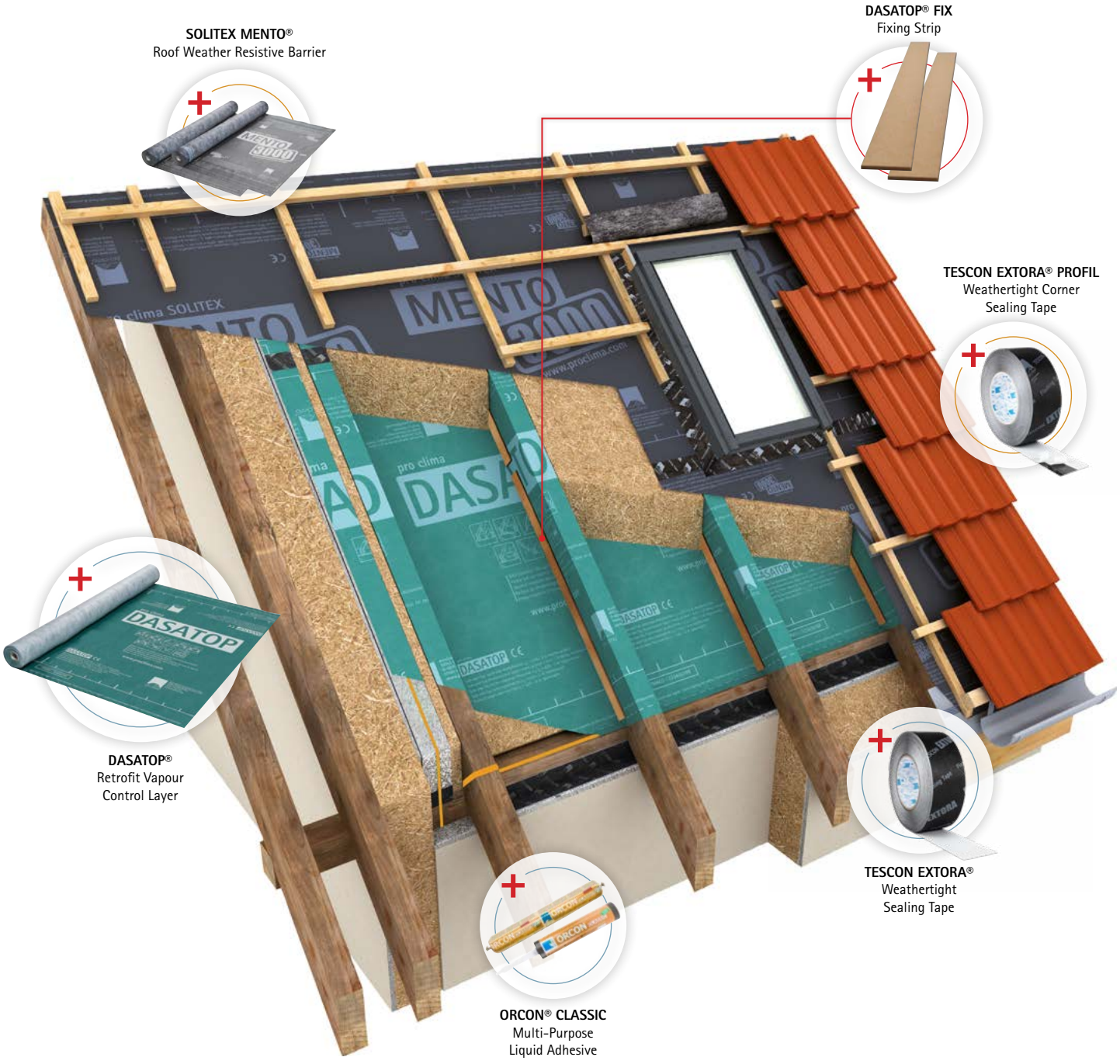
Fixing Strip

APPLICATION: DASATOP® FIX board is used to secure installed retrofit vapour control layer DASATOP® around existing rafters.

ID CODE	KG	QTY
15435	5	50pc

TECHNICAL DATA:

Material:	MDF/HDF fibreboard (E1 standard)
Length:	1 m
Width:	40 mm
Thickness:	3 mm
Storage:	Cool and dry



AEROSANA® VISCONN

Sprayable Airtightness Sealant with a Humidity-Variable MTVR

APPLICATION: For use as a humidity-variable vapour control and airtight layer that can be applied as a spray or with a brush. It is suitable for wall, ceiling, and floor surface applications, such as non-plastered masonry or porous panel-form materials. AEROSANA® VISCONN can also be used for creating joints to components such as windows, roofs, walls, ceilings, and floors. Can be used on the interior and exterior of building components due to the product's humidity-variable diffusion resistance. Once dried, the sprayed-on liquid film forms a seamless, elastic, airtight, and vapour-checking protective layer. It sticks to all standard construction materials, pro clima membranes and membranes made from aluminium and paper. Sprays on blue, dries black.

ADVANTAGES:

- ✔ Sprayable airtightness sealant with a humidity-variable MVTR
- ✔ Reliable structures thanks to excellent adhesive properties
- ✔ Can be plastered/painted over
- ✔ Suitable for application in indoor and protected outdoor areas, thanks to its humidity-variable MVTR
- ✔ Lowest VOC rating in hazardous substance test

PRODUCT	ID CODE	CONTENT	COVERAGE	QTY
AEROSANA® VISCONN	1AR01106	10 L	750 g/m²	1
AEROSANA® VISCONN WHITE	1AR01740	10 L	750 g/m²	1
AEROSANA® VISCONN	1AR02612	600 ml	750 g/m²	1
AEROSANA® VISCONN WHITE	1AR02749	600 ml	750 g/m²	1

TECHNICAL DATA:

Material:	Aqueous acrylic dispersion
Surface weight:	approx. 200 g/m² (dried), depending on subsurface and applied thickness
Vapour resistance (MVTR):	30 ±3 MNs/g (at 0.3 mm thickness)
s_d-value:	6 ±0.6 m (at 0.3 mm thickness)
s_d-value humidity-variable:	0.13 - 10.00 m
Water column:	2,000 mm
Application temperature:	5 °C to 60 °C
Temperature resistance:	permanent -40 °C to 90 °C (dried)
Coverage:	approx. 750 g/m², depending on applied thickness; 1 L ≈ 1 kg
Drying:	approx. 6 - 48 hours (at 20 °C, 65% rel. humidity) depending on subsurface and applied thickness
Storage:	5 °C - 25 °C, in a closed, airtight bucket

Red List Free

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AEROSANA® VISCONN FIBRE

Fibre-Reinforced Sealant with a Humidity-Variable s_d-value

APPLICATION: AEROSANA® VISCONN FIBRE is a brush-on, elastic and humidity-variable vapour control layer. AEROSANA® VISCONN FIBRE creates an airtightness layer for sealing porous surfaces, penetrations and joints. Thanks to the fibre reinforcement, joints and cracks of up to 20mm can be covered. Use AEROSANA® FLEECE for larger joints. Can be sprayed from a sausage using AEROFIXX Gun.

ADVANTAGES:

- ✔ Excellent adhesion to most construction surfaces
- ✔ Covers cracks and joints of up to 20mm width
- ✔ Larger joints can be covered in combination with AEROSANA® FLEECE
- ✔ Can be used flexibly in all interior applications and protected exteriors

PRODUCT	ID CODE	CONTENT	COVERAGE	QTY
AEROSANA® VISCONN FIBRE	1AR01677	5 L	600 g/m²	1
AEROSANA® VISCONN FIBRE	1AR02633	600 ml	600 g/m²	1
AEROSANA® VISCONN FIBRE WHITE	1AR02750	600 ml	600 g/m²	1

TECHNICAL DATA:

Material:	Aqueous acrylic dispersion, fibre-reinforced
Surface weight:	approx. 200 - 400 g/m², depending on subsurface and applied thickness
Coating application:	0.6 - 1.4 mm wet film
s_d-value:	3.5 ±0.4 m (at 0.3 mm thickness)
s_d-value humidity-variable:	0.15 - 5.00 m
Application temperature:	5 °C to 60 °C
Temperature resistance:	permanent -40 °C to 90 °C (dried)
Drying:	approx. 6 - 48 hours (at 20 °C; 65% rel. humidity) depending on subsurface and applied thickness
Coverage:	approx. 600 g/m², depending on applied thickness; 1 L ≈ 1 kg
Storage:	5 °C - 25 °C, in a closed, airtight bucket. Stir well before application

Red List Free

phA CERTIFIED COMPONENT Passive House Institute

AEROSANA® FLEECE

Fleece Within the AEROSANA® VISCONN System for Covering Cracks or Joints

APPLICATION: AEROSANA® FLEECE is an embedded mesh for working with spray-on or brush-on seals from the AEROSANA® VISCONN family. It can be used to reliably cover cracks or joints that are wider than 3 mm (1/8") in the case of AEROSANA® VISCONN or 20 mm (3/4") in the case of AEROSANA® VISCONN FIBRE.

ADVANTAGES:

- ✔ Tested as part of the AEROSANA® VISCONN system
- ✔ Very malleable fleece material
- ✔ Excellent values in hazardous substance testing

ID CODE	LENGTH	WIDTH	CONTENT	QTY
1AR01715	25 m	15 cm	7.5 m²	2

TECHNICAL DATA:

Material:	PET
Surface weight:	63 ±10 g/m²
Thickness:	0.7 ±0.15 mm
Tensile strength MD/CD:	90 ±15 N/5 cm / 145 ±15 N/5 cm
Elongation MD/CD:	75 ±15 % / 90 ±15 %

AEROFIXX

Application Gun for AEROSANA® System Foil Cartridges

APPLICATION: For quick and easy application of AEROSANA® VISCONN and AEROSANA® VISCONN FIBRE sealants from 600 ml foil sausage. For use with air compressors capable of 6.8 bar (100 psi), 300 l/min air flow.

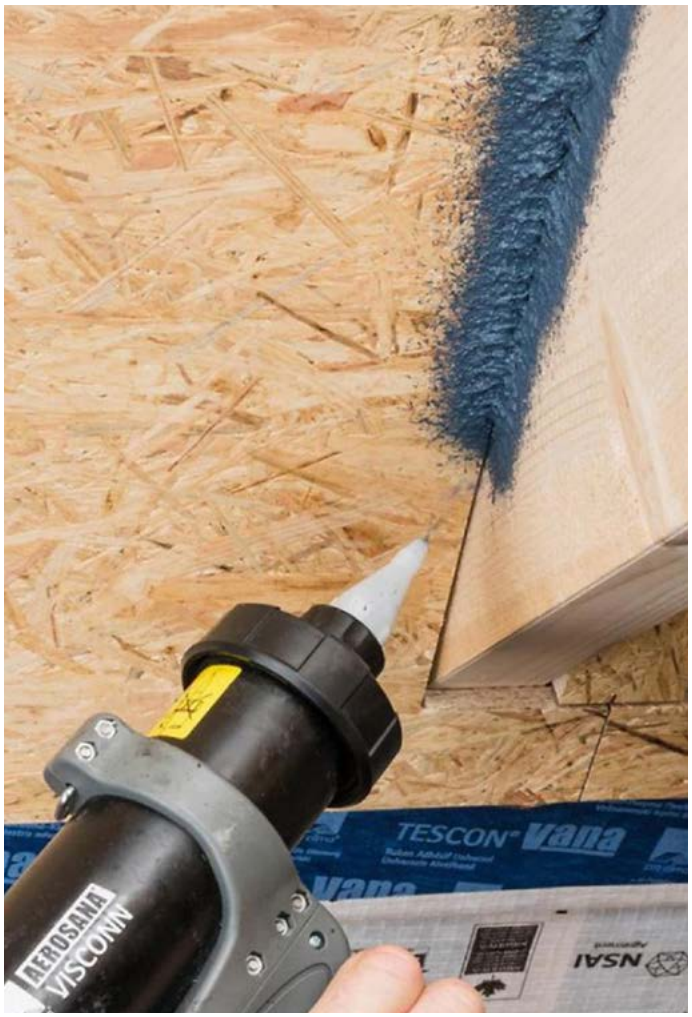
ADVANTAGES:

- ✔ Work more quickly: application and spreading of the sealant in a single working step
- ✔ Precise application of sealant: Different settings allow for bead or spray
- ✔ No brush required

ID CODE	CONTENT	QTY
1AR02714	1.6 kg	1

TECHNICAL DATA:

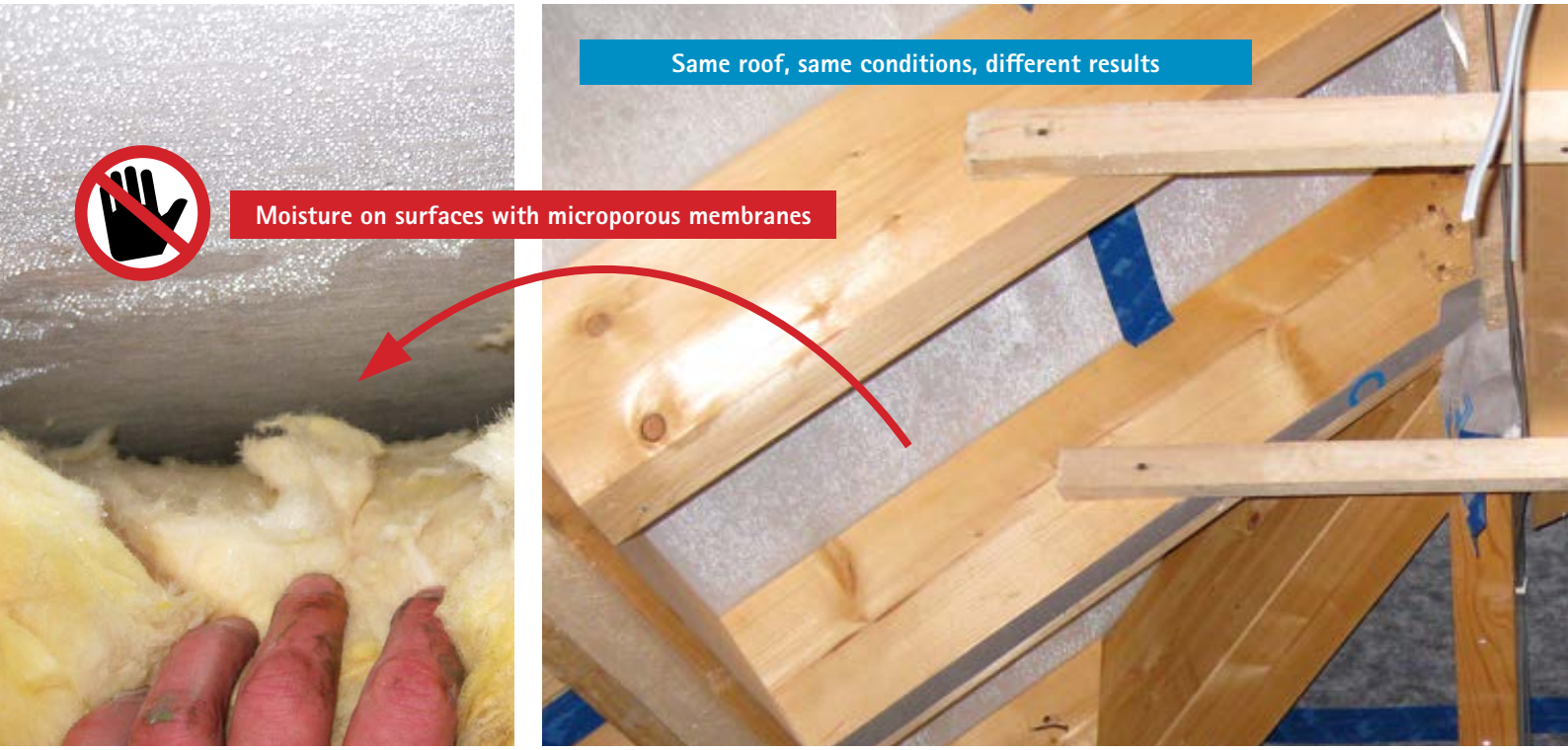
Material:	stable aluminium cylinder, ergonomic nylon handle



Weathertightness

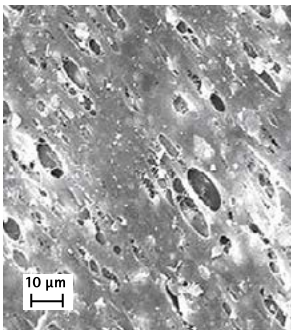
Builder: DCD Construction Queenstown

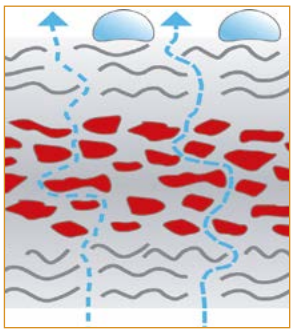
Pro Clima systems actively carry moisture outwards



Conventional technology: Microporous membrane

No active moisture transport = wet construction





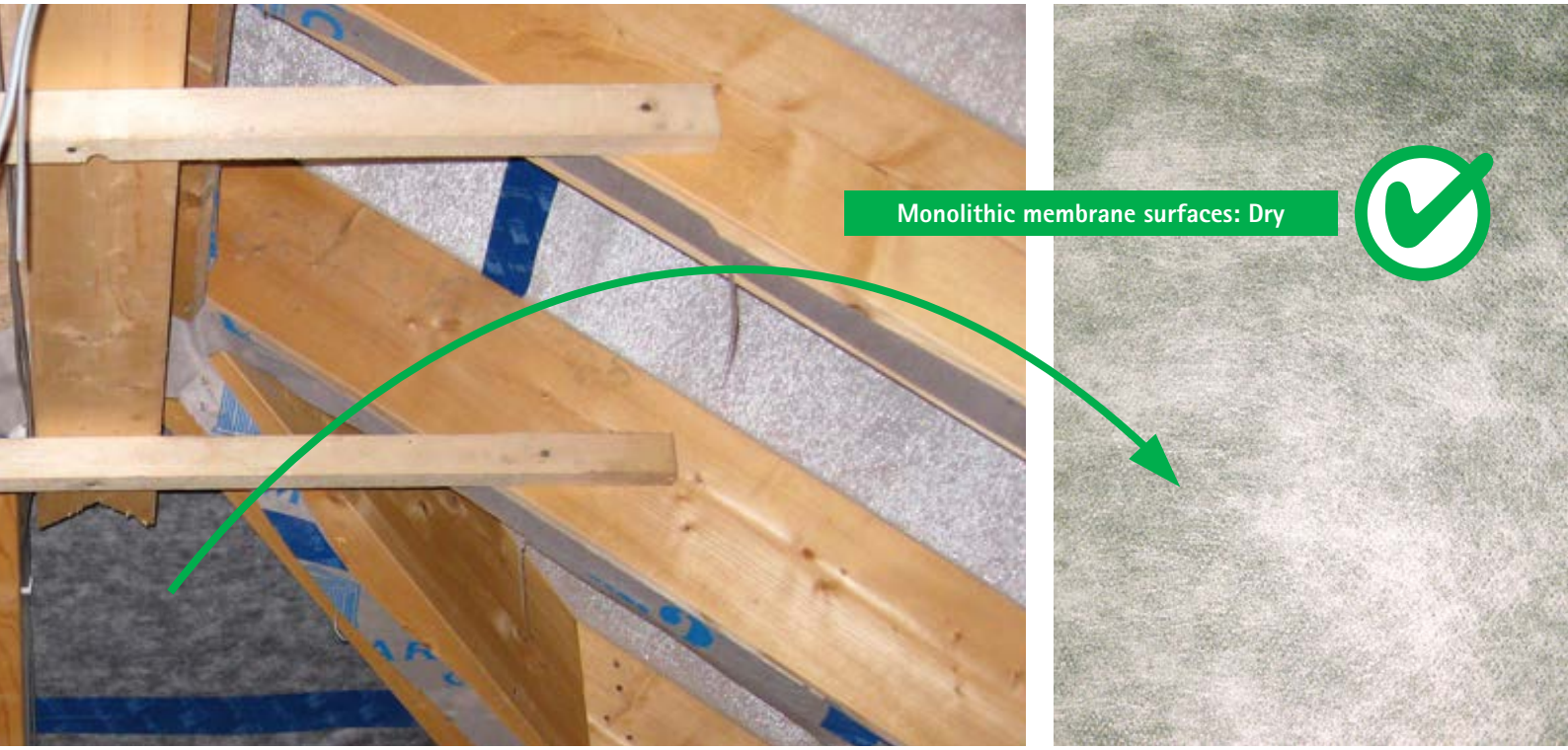
Microscopic image of a conventional underlay membrane. Porous membranes allow moisture to escape through airflow. Their pores provide only average levels of protection in terms of diffusion and resistance to driving rain.

Micropores in the functional film:

- ✖ Conventional level of protection against driving rain
- ✖ Passive moisture transport
- ✖ Requires a large vapour pressure gradient
- ✖ Membrane becomes less vapour-open when exposed to moisture

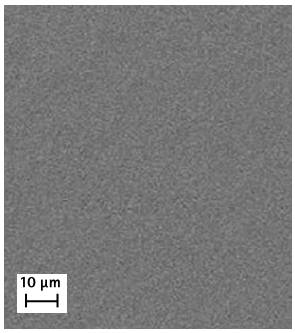
In conventional PP membranes with micropores, water vapour escapes through tiny holes to the outside. However, when larger amounts of vapour need to pass through, a moisture film can form on the inner surface of the membrane. The result: the membrane becomes denser and the risk of damage increases. Moisture transport to the outside is a passive process, which only works if there is a relatively high vapour pressure gradient. In modern, highly insulated constructions, this condition is not always achieved.

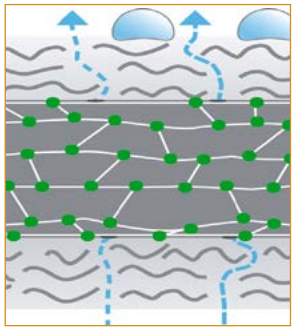
Protection against external water is provided because water droplets are too large to pass through the pores due to their surface tension. However, in driving rain, or when wood extractives or solvents reduce the surface tension, significant amounts of water can penetrate into the insulation. This may lead to mould growth and damage to the construction.



SOLITEX MENTO pore-free technology for added safety

Active moisture transport = dry, condensation-free construction





Same magnification of a monolithic, pore-free SOLITEX membrane. The monolithic membrane reliably enables active diffusion while providing exceptionally high resistance to driving rain.

Pore-free SOLITEX membrane:

- ✔ Maximum protection against driving rain
- ✔ Water column resistance up to 10,000 mm
- ✔ Active moisture transport
- ✔ Requires only a minimal vapour pressure gradient
- ✔ Membrane becomes more vapour-open when exposed to moisture
- ✔ No tent effect

Pore-free membranes actively transport moisture outwards – the greater the load, the faster the transport. Their vapour resistance decreases as needed, and only a minimal vapour pressure gradient is required. Exceptional resistance to driving rain is achieved because there are no pores. High impact speeds or reduced surface tension of water droplets pose no problem for the SOLITEX underlay system.

Weathertightness is the ability of a building to protect itself and us from the weather.

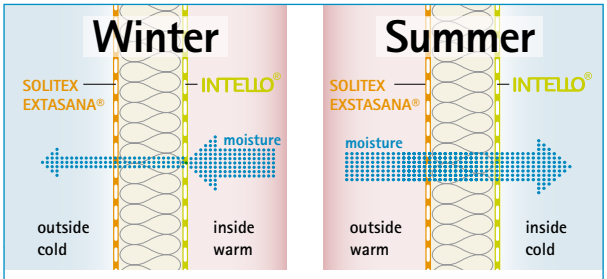
Weather is a combination of forces that are constantly driving the elements of air and water. These forces and elements combine to create physical properties such as temperature, wind speed, rainfall, humidity, and air pressure. Our buildings should be designed and constructed to shelter us from the adverse effects of wind, water, and the sun. Weathertight construction contributes to the health and comfort of people inside the building, while also ensuring the building will stand the test of time.

SOLITEX®

The best weathertightness is achieved with high performance, monolithic, non-porous Weather Resistive Barriers (WRBs) which provide:

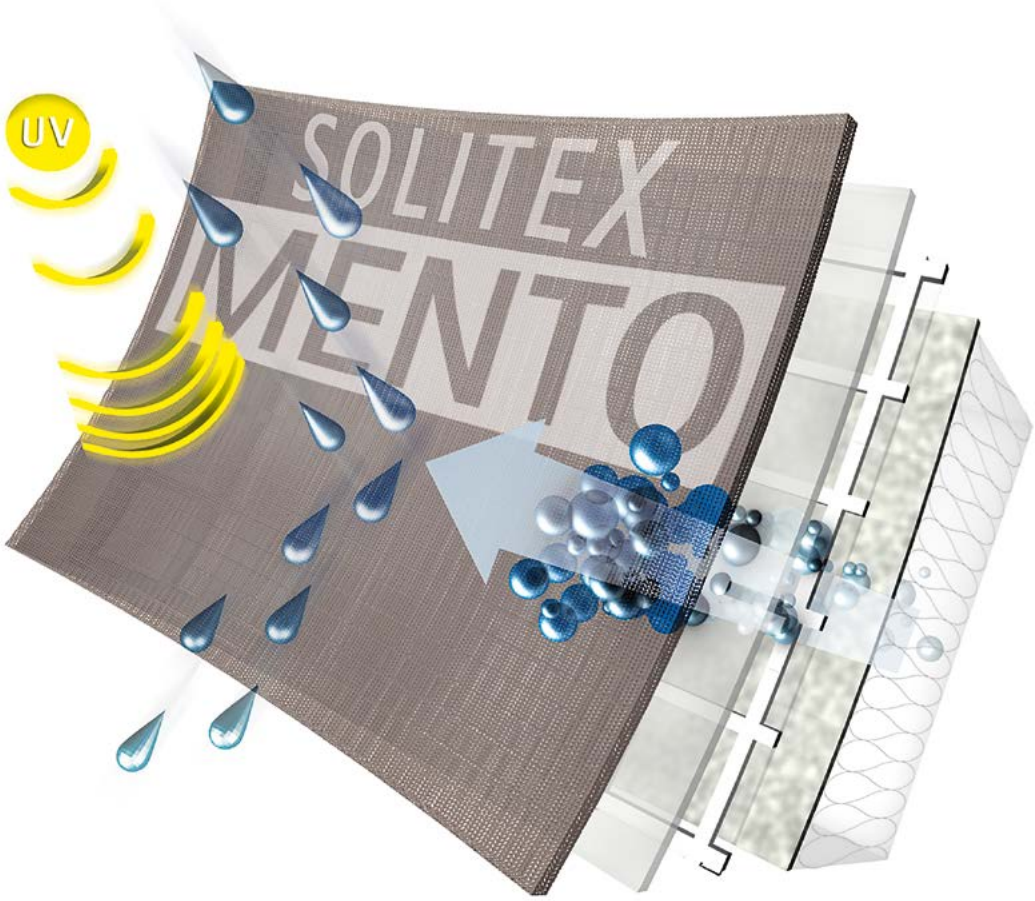
- ✔ **High water resistance** - Three-layers with non-porous, diffusion-open membrane
- ✔ **High UV resistance** - From 30 to 180 days exposure in New Zealand
- ✔ **Low vapour resistance** - TEEE film for active moisture transport and drying
- ✔ **High thermostability** - Extremely high temperature resistance 100 - 120°C
- ✔ **High rip and nail tear resistance** - Durable in high wind zones
- ✔ **Fire rated** - Low flammability index

The best solution: intelligent membranes



Outside colder than inside:
-> Diffusion inhibiting inside
-> Diffusion open outside
-> Optimised protection against mould

Outside warmer than inside:
-> Diffusion open inside
-> Diffusion open outside
-> Optimised protection against mould



A Systems Approach

SOLITEX EXTASANA ADHERO®

Self-Adhesive Weather Resistive Barrier

APPLICATION: SOLITEX EXTASANA ADHERO® provides the ultimate weather protection layer for walls and roofs under all conditions. Once fully adhered to rigid substrates, SOLITEX EXTASANA ADHERO® protects the building from wind, driving rain, and other external water sources while allowing any internal moisture to escape through the vapour permeable, non-porous TEEE* layer. TEEE layer is a robust, flexible, non-porous thermoplastic layer that prevents rain ingress while still allowing drying or moisture.

ADVANTAGES:

- ✔ Fully self-adhered membrane
- ✔ Superior UV resistance (180 days exposure)
- ✔ Ultimate resistance against extreme wind gusts
- ✔ Ideal for offsite fabrication
- ✔ Fire retardant

SYSTEM PRODUCTS:

TESCON EXTORA®; TESCON EXTOSEAL®; ORCON® CLASSIC; KAFLEX; ROFLEX; CONTEGA® EXO

ID CODE	LENGTH	WIDTH	AREA (*)	KG/ROLL	QTY
1AR01968	30 m	1.50 m	45 m² (40.5 m²)	12	1
1AR05149	30 m	500 mm	15 m² (N/A)	4	1

* Effective Coverage

TECHNICAL DATA:

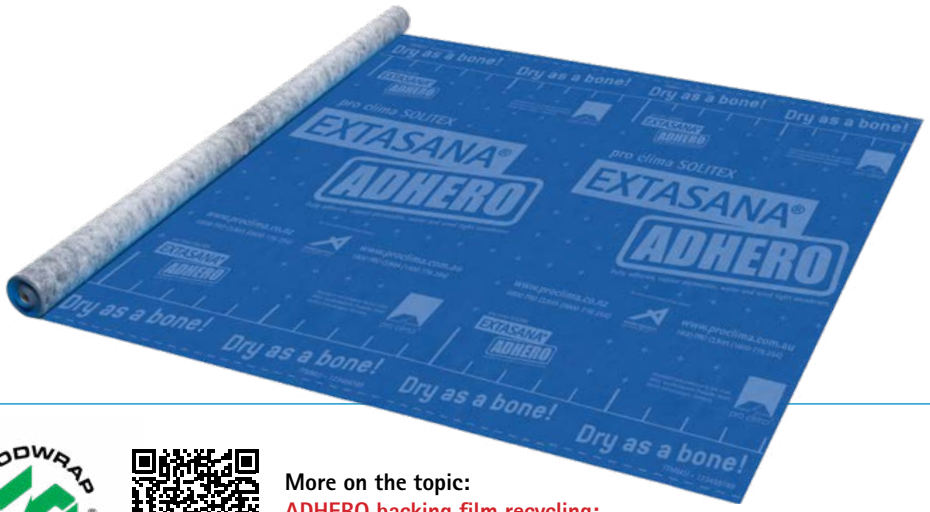
Cover-fleece + protective-layer:	PP microfibre fleece	
Membrane:	monolithic TEEE film	
Surface weight:	240 g/m² ± 5 g/m²	EN1849-2
Thickness :	0.7 ± 0.05 mm	EN1849-2
Edge tear:	Depending on Substrate*	TAPPI T470
Tensile strength:	Depending on Substrate*	AS 1301.448s-1991
Temperature resistance:	-40 °C to + 100 °C	
Moisture Vapour Transmission Resistance (MVTR):	Depending on Substrate*	
Vapour permeance:	Depending on Substrate*	
Water control:	10,000 mm	EN 20811
Flammability index:	<5	AS 1530.2
Air control:	Air barrier	AS/NZS 4200.1 - 2017
UV stability and outdoor exposure:	180 Days	ASTM G154

*Performance characteristics will be modified by the rigid substrate

BRANZ Appraised
Appraisal No. 989

Red List Free

Declare.



pro clima

GOODWRAP RECYCLING

More on the topic:
ADHERO backing film recycling:
https://proclima.co.nz/comfort-and-sustainability/pro-clima-x-good-wrap

SOLITEX ADHERO® System

PRESSFIX / PRESSFIX XL

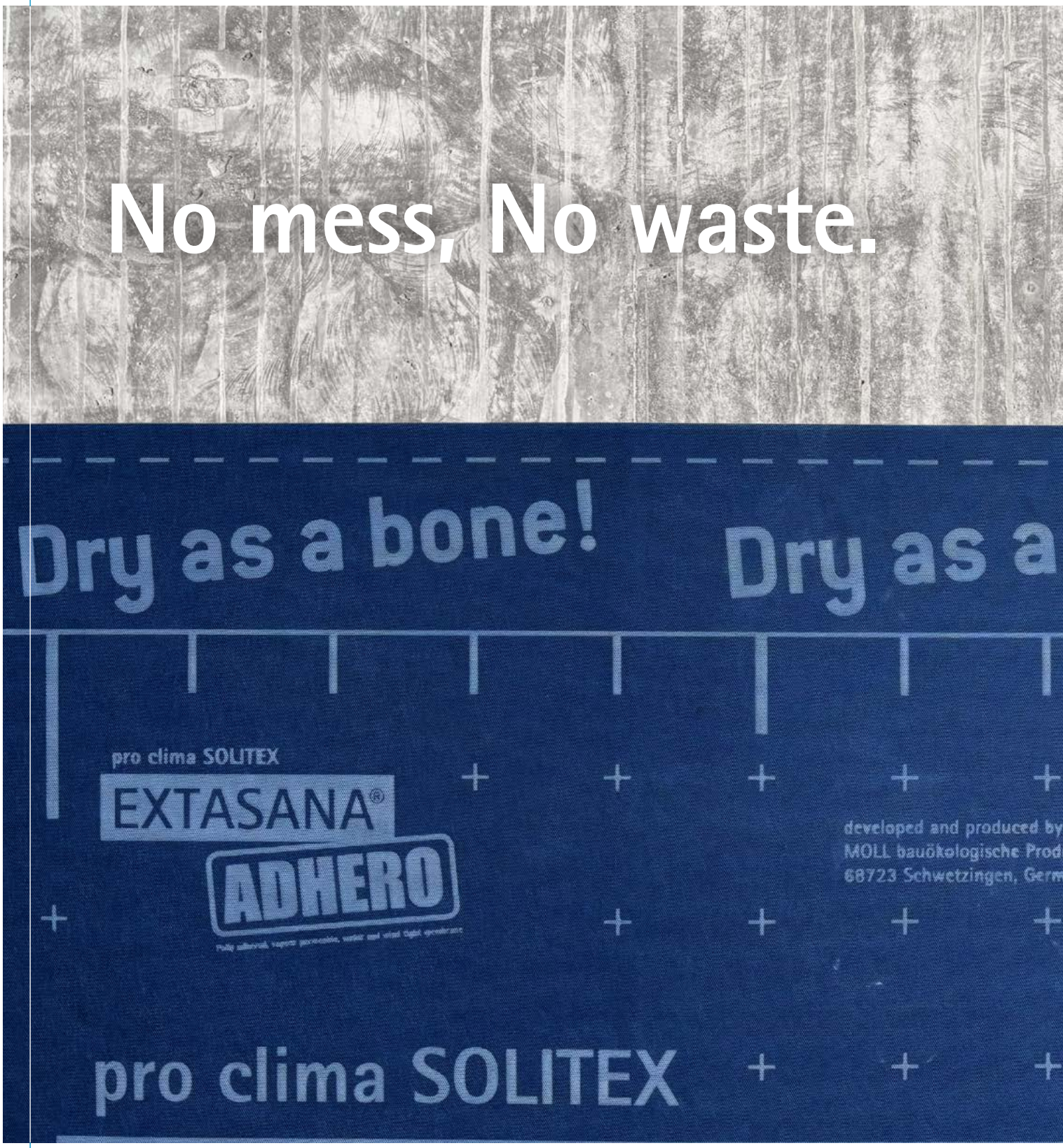
Pressing aid for adhesive tapes and SOLITEX EXTASANA ADHERO® Weather Resistive Barrier

APPLICATION: Practical tool pressing adhesive tapes and membranes into place evenly.

PRODUCT	ID CODE	LENGTH	WIDTH	QTY
PRESSFIX	16134	105 mm	80 mm	10
PRESSFIX XL	1AR01658	285 mm	130 mm	1

Single PRESSFIX (small) supplied free in complete boxes of TESCON® VANA, TESCON EXTORA®, and TESCON EXTOSEAL® tapes.

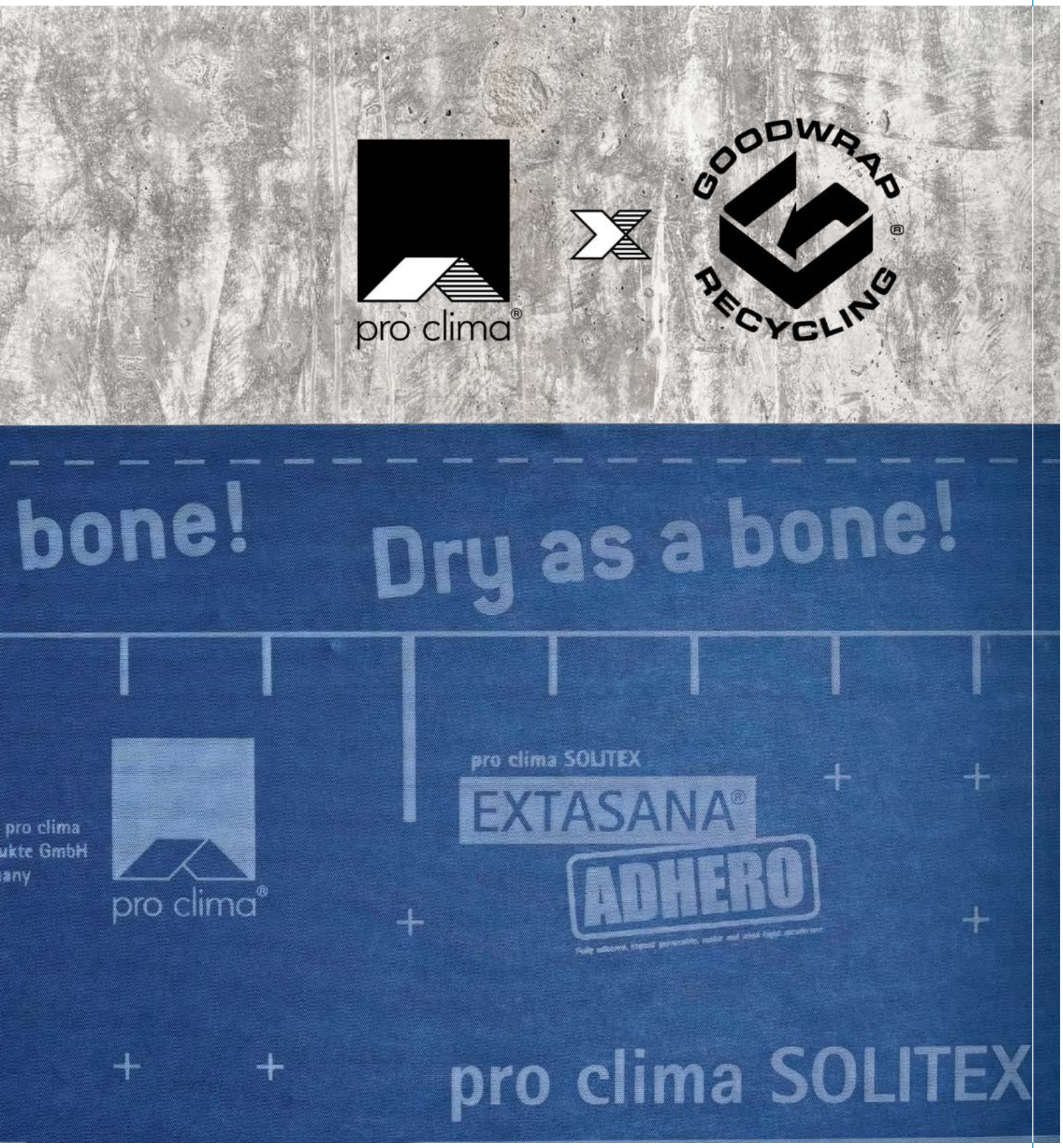
No mess, No waste.



Keeping plastic in use—not landfill.

No one wants to see plastic end up in landfills. That's why Pro Clima teamed up with GoodWrap Recycling, offering customers a free, simple, and trackable way to recycle plastic backing film, ensuring it stays in circulation.

pro clima® × GOODWRAP RECYCLING®



We believe in plastic for good.

By ensuring plastic backing is recycled and repurposed right here in Aotearoa, we're lowering carbon emissions, supporting local manufacturing, and keeping plastic in use—not in landfills.

More on the topic:
ADHERO backing film recycling: https://proclima.co.nz/comfort-and-sustainability/pro-clima-x-good-wrap

SOLITEX® ADHERO VISTO

Transparent Fully Adhered Weather Protection Membrane

APPLICATION: SOLITEX® ADHERO VISTO provides the ultimate weather protection during construction. Thanks to its full-surface adhesion, this membrane provides airtightness and weather protection for intermediate floors on multi-storey mass timber (e.g. cross-laminated timber) or wooden-frame buildings during the construction period.

ADVANTAGES:

- ✔ Protects the structure against weathering during the construction phase
- ✔ 42 days outdoor exposure
- ✔ Preparation work is made easier: markings, connectors and penetrations on timber floors remain visible
- ✔ Safe working: anti-slip surface, even in wet conditions
- ✔ Water-resistant SOLID adhesive ensures adhesion to the substrate and within overlap areas

ID CODE	LENGTH	WIDTH	AREA (*)	KG/ROLL	QTY
1AR04026	30 m	1.50 m	45 m^2 (40.5 m^2)	10.5	1
1AR04302	30 m	300 mm	15 m^2 (N/A)	2.1	1

* Effective Coverage

TECHNICAL DATA:

Fleece:	Polypropylene	
Membrane:	Polyethylene copolymer	
Adhesive:	Water-resistant SOLID adhesive	
Release film:	Silicone-coated PE film	
Thickness:	0.35 mm ± 0.05 mm	EN1849-2
Surface weight:	210 g/m^2 ± 5 g/m^2	EN1849-2
Flammability index:	<5	AS 1530.2
Temperature resistance:	-40 °C to +80 °C	
Heat shrinkage @ 70°C:	-0.4% / 0.0%	ASTM D1204
Moisture Vapour Transmission Resistance (MVTR):	Depending on Substrate*	
Water control:	10,000 mm	EN ISO 811
	Pass (> 100 mm)	AS/NZS 4201.4
	Water barrier	AS/NZS 4200.1
Surface water absorbency:	Low (< 100 g/m^2)	AS/NZS 4200.1; AS/NZS 4201.6
Air control:	≥ 0.1 MNs/m^3	ISO 5636.5; BS 6538.3
	Air barrier	AS/NZS 4200.1
Moisture shrinkage:	N/A (fully adhered membrane)	AS/NZS 4201.3

*Performance characteristics will be modified by the rigid substrate

ADHERO® Floor Drain

As part of the SOLITEX ADHERO® systems

APPLICATION: Drainage through structure during construction. Connect to a rigid or flexible down-pipe to remove rainwater. Remove after close-in.

ADVANTAGES:

- ✔ Quick installation—drill through the building component
- ✔ Dependable drainage: reliable run-off thanks to extra-flat flange, low fitting height
- ✔ Watertight sealing: transition between SOLITEX ADHERO® VISTO and floor drain can be sealed with TESCON EXTORA® adhesive tape

ID CODE	QTY
1AR03200	1

TECHNICAL DATA:

Material:	PVC
Colour:	grey
Thickness:	3.5 mm
Flange O/D:	320 mm
Pipe O/D:	63 mm

SOLITEX EXTASANA®

Wall Weather Resistive Barrier

APPLICATION: SOLITEX EXTASANA® wall underlay provides the best weather protection layer for external walls under all conditions. It protects the building from wind, driving rain, and other external sources of water while allowing any internal moisture to escape through the vapour permeable, non-porous TEEE* layer.

ADVANTAGES:

- ✔ Excellent UV resistance (180 days exposure)
- ✔ Highly vapour permeable (Class 4)
- ✔ Long-term durability
- ✔ Weathertight & airtight Weather Resistive Barrier (WRB)
- ✔ Next-generation non-porous monolithic technology
- ✔ Fire retardant

SYSTEM PRODUCTS:

TESCON EXTORA®; TESCON EXTOSEAL®; ORCON® CLASSIC; KAFLEX; ROFLEX; CONTEGA® EXO

ID CODE	LENGTH	WIDTH	AREA (*)	KG/ROLL	QTY
13547	36.5 m	1.50 m	55 m^2 (50.5 m^2)	8.5	1
13323	36.5 m	2.74 m	100 m^2 (94.5 m^2)	16	1

* Effective Coverage

TECHNICAL DATA:

Cover-fleece + protective-layer:		PP microfibre fleeces	
Membrane:		monolithic TEEE film	
Surface weight:		140 g/m^2 ± 5 g/m^2	EN1489-2
Thickness:		0.60mm ± 0.05mm	EN1489-2
Edge tear:	MD / CD	251 N / 188 N	TAPPI T470
Tensile strength:	MD / CD	4.8 kN/m / 3.7 kN/m	AS 1301.448s-1991
Temperature resistance:		-40 °C to + 120 °C	
Moisture Vapour Transmission Resistance (MVTR):		0.459 MN.s/g	ASTM E96 Method B
Water control:		10,000 mm	EN 20811
Flammability index:		<5	AS 1530.2
Air control:		Air barrier	AS/NZS 4200.1-2017
UV stability and outdoor exposure:		180 Days	ASTM G154

*Performance characteristics will be modified by the rigid substrate

CodeMark
CMNZ30032

BRANZ Appraised
Appraisal No. 1163

Red List Free

Declare.

SOLITEX EXTASANA® System

SOLITEX MENTO®

Roof Weather Resistive Barrier

APPLICATION: SOLITEX MENTO® provides superior weather and condensation protection for your roof under all weather conditions. With type R4 classification (NZS 2295), it is suitable to be used in self-supported applications up to and including extra high wind zones. SOLITEX MENTO® protects your roof and building envelope from the elements during construction while allowing any internal moisture to escape through the vapour permeable, non-porous TEEE layer.

ADVANTAGES:

- ✔ Excellent UV resistance
- ✔ Highly vapour permeable
- ✔ Long-term durability and high strength
- ✔ Weathertight & airtight Weather Resistive Barrier (WRB)
- ✔ Helps protect a building from condensation
- ✔ Fire Retardant (FI <5 as per AS/NZS 1530.2)

PRODUCT	ID CODE	LENGTH	WIDTH	AREA(*)	KG/ROLL	QTY
SOLITEX MENTO® 1000	15048	50 m	1.50 m	75 m² (67.5 m²)	9	1
SOLITEX MENTO® 1000	1AR01359	50 m	3.00 m	150 m² (142.5 m²)	18	1
SOLITEX MENTO® 1000 connect	1AR01361	50 m	1.50 m	75 m² (67.5 m²)	9	1
SOLITEX MENTO® 1000 connect	1AR01357	50 m	3.00 m	150 m² (142.5 m²)	18	1
SOLITEX MENTO® 3000	13648	50 m	1.50 m	75 m² (67.5 m²)	11	1
SOLITEX MENTO® 3000	15390	50 m	3.00 m	150 m² (142.5 m²)	22	1
SOLITEX MENTO® 3000 connect	15391	50 m	1.50 m	75 m² (67.5 m²)	11	1
SOLITEX MENTO® 3000 connect	1AR00548	50 m	3.00 m	150 m² (142.5 m²)	22	1

* Effective Coverage

TECHNICAL DATA:

		MENTO 1000	MENTO 3000	
Cover-fleece + protective-layer:		PP microfibre fleeces	PP microfibre fleeces	
Membrane:		monolithic TEEE film	monolithic TEEE film	
Surface weight:		115 g/m² ± 5 g/m²	150 g/m² ± 5 g/m²	EN1489-2
Thickness:		0.4 mm ± 0.05 mm	0.45 mm ± 0.05 mm	EN1489-2
Edge tear:	MD/CD:	222 N / 174 N	263 N / 208 N	TAPPI T470
Tensile strength:	MD/CD:	4.8 kN/m / 3.6 kN/m	5.1 kN/m / 3.7 kN/m	AS 1301.448s-1991
Temperature resistance:		-40 °C to + 100 °C	-40 °C to + 120 °C	
Moisture Vapour Transmission Resistance (MVTR):		0.398 MN.s/g	0.459 MN.s/g	ASTM E96 Method B
Water control:		10,000 mm	10,000 mm	EN 20811
Flammability index:		<5	<5	AS 1530.2
Air control:		air barrier	air barrier	AS/NZS 4200.1 - 2017
UV stability and outdoor exposure:		30 days	90 days	ASTM G154

CE
11
EN 13859-1

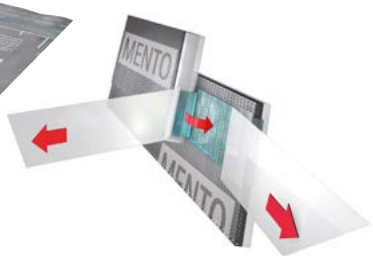
Red List Free

Declare.

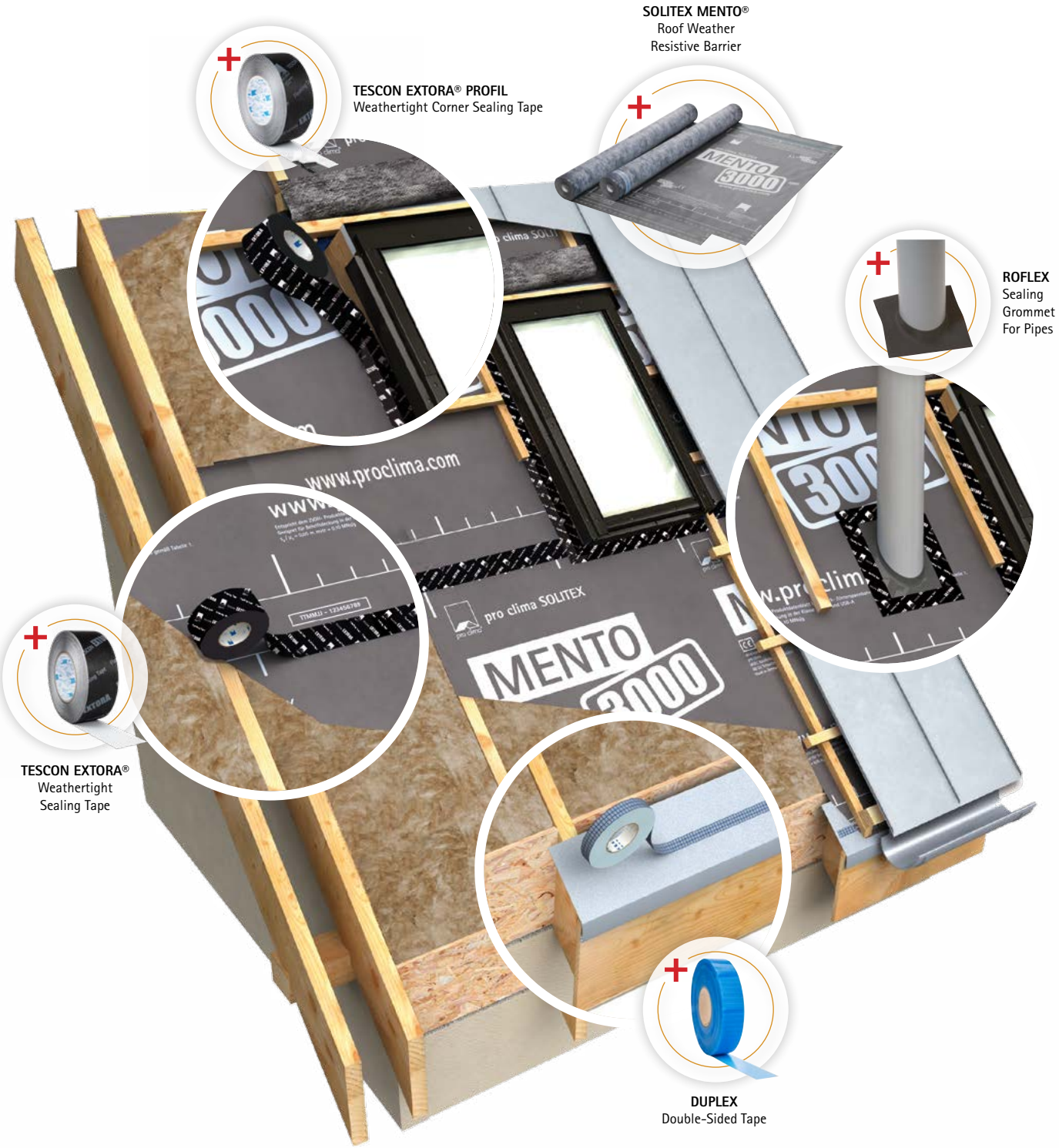
SOLITEX MENTO® 1000
Three-layer roof underlay
30 days exposure, light-weight, high wear-resistance, high resistance to driving rain, very high thermal stability.

SOLITEX MENTO® 3000
Three-layer roof underlay
90 days exposure, medium weight, very high wear-resistance, high resistance to driving rain, very high thermal stability.

Available in connect technology with two integrated self-adhesive strips



SOLITEX MENTO® System



SOLITEX® UM connect

Roof and Wall Weather Resistive Barrier

APPLICATION: SOLITEX® UM connect is a three-layered roofing underlay with an additional 3D separation layer and integrated self-adhesive strips for sheet joins. It is suitable for roofing such as titanium, zinc, stainless, galvanised steel and copper. It also mitigates water ingress for internal-side retrofitting of wall underlay against existing direct-fix cladding to ensure a gap is maintained between new insulation and the internal side of existing wall cladding.

ADVANTAGES:

- ✔ High-performance monolithic nonporous membrane
- ✔ 3D separation layer provides ventilation between underlay
- ✔ Connect technology with two integrated self-adhesive strips
- ✔ High water resistance
- ✔ Low vapour resistance
- ✔ UV resistance up to 30 days

SYSTEM PRODUCTS:

TESCON EXTORA®; DUPLEX; ORCON® CLASSIC; KAFLEX; ROFLEX; TESCON® NAIDECK

ID CODE	LENGTH	WIDTH	AREA (*)	KG/ROLL	QTY
13598	25 m	1.50 m	37.5 m^2 (33.75 m^2)	15	1

* Effective Coverage

TECHNICAL DATA:

Cover-fleece + protective-layer:	PP microfibre fleeces
Membrane:	monolithic TEEE film
Thickness:	8.0 ±0.5 mm
Moisture Vapour Transmission Resistance (MVTR):	0.25 MN.s/g
Surface weight:	450 ±10 g/m^2
Temperature resistance:	-40 °C to +100 °C
Tensile strength MD/CD:	285 ±15 N/5 cm / ±15 N/5 cm

CE
07
EN 13859-1

8mm SEPARATION MESH

3D Separation Mesh

APPLICATION: 8mm SEPARATION MESH is a 3D polypropylene mesh layer suitable for ventilated and unventilated structures. It can be used in combination with all SOLITEX® roof and wall underlays and with any type of roofing or façade material, such as titanium zinc, aluminium, stainless steel, galvanised steel, copper, etc. It is commonly used in wall insulation retrofit projects fitted from the inside to maintain a separation between cladding and new wall underlay.

ADVANTAGES:

- ✔ 8mm separation layer provides increased acoustic insulation and ventilation between underlay and cladding
- ✔ Provides a ventilation and drainage path between the underlay cladding
- ✔ High thermal stability
- ✔ Can be exposed to UV for 90 days

ID CODE	LENGTH	WIDTH	AREA (*)	KG/ROLL	QTY
1AR01832	30 m	1.4 m	42 m^2 (42 m^2)	12.8	1

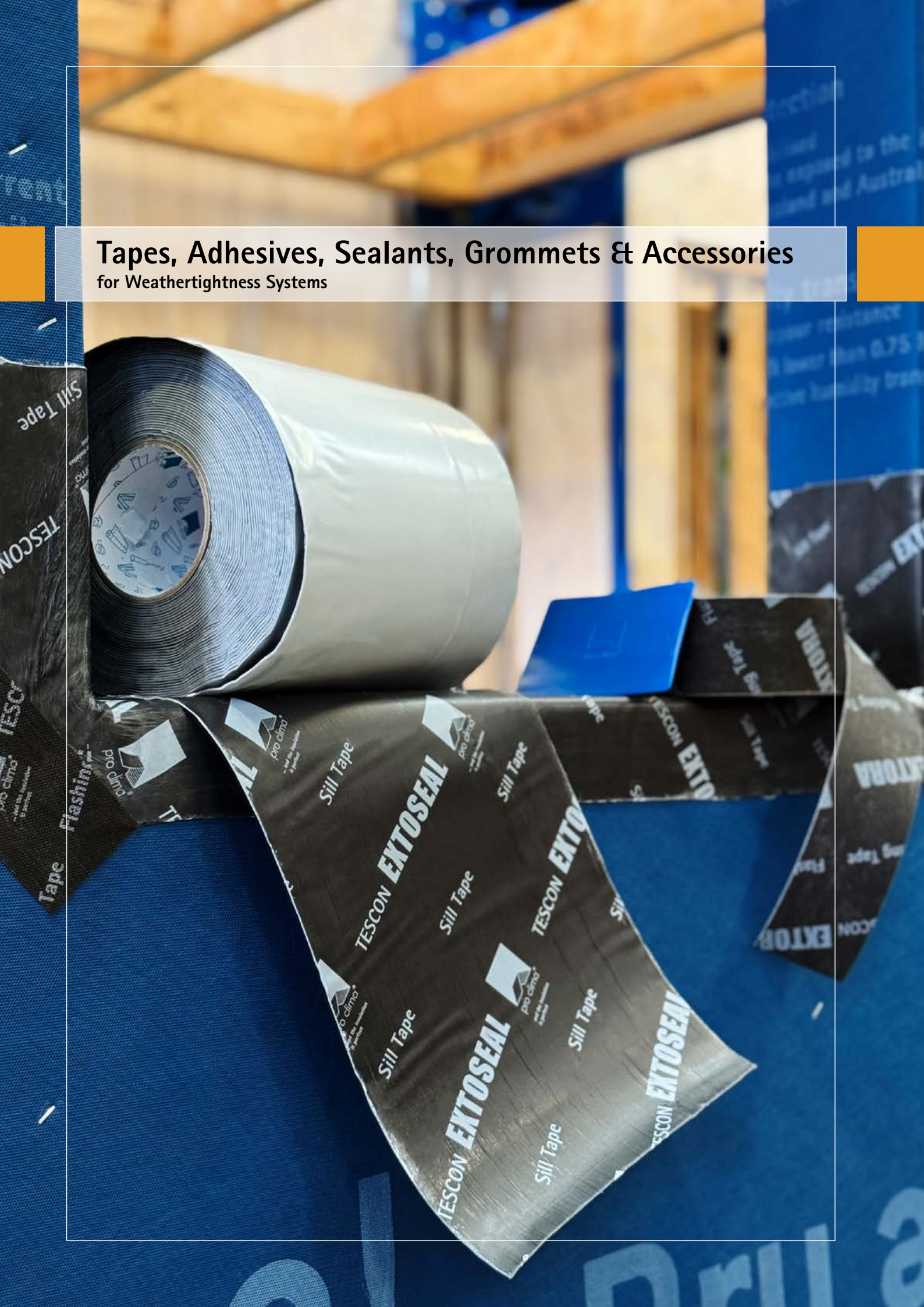
* Effective Coverage

TECHNICAL DATA:

Material:	Polypropylene 3D separation layer
Thickness:	8 mm
Reaction to fire:	E
Exposure time:	90 days
Temperature resistance:	-40 °C to +100 °C

Tapes, Adhesives, Sealants, Grommets & Accessories

for Weathertightness Systems



TESCON EXTORA®

Weathertight Sealing Tape

APPLICATION: TESCON EXTORA® weathertight sealing tape can be used with all Weather Resistive Barrier (WRB) systems. It is compatible with membranes, underlays, rigid sheathings, rigid wall underlays and rigid air barriers. TESCON EXTORA® is weathertight and vapour permeable. It is flexible, easy to cut, and has a simple-to-remove release paper, ensuring maximum productivity during installation. TESCON EXTORA® provides a wind tight and watertight adhesive seal to the substrate, forming weathertight connections under all conditions.

ADVANTAGES:

- ✔ Waterproof, weathertight sealing tape
- ✔ Fast application
- ✔ Suitable for NZ climate conditions
- ✔ Thin and flexible
- ✔ Excellent UV resistance (180 days exposure)

ID CODE	LENGTH	WIDTH	QTY
13206	30 m	60 mm	1
13486	30 m	60 mm	20 big pack*
13280	30 m	100 mm	1
14891	30 m	150 mm	1
14892	30 m	200 mm	1

*big pack product only sold per unit.

TECHNICAL DATA:

Carrier material:	special fleece based on PP
Adhesive:	solid acrylic adhesive
Release material:	siliconised paper
Temperature resistance:	long term -40 °C to +90 °C
Installation temperature:	from -20 °C
UV stability and outdoor exposure:	180 days
Colour:	black
Storage:	cool and dry

Red List Free

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✔ unique worldwide
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BRANZ Appraised
Appraisal No. 838

Declare.

TESCON EXTORA® PROFIL

Weathertight Corner Sealing Tape

APPLICATION: TESCON EXTORA® PROFIL offers all the benefits of TESCON EXTORA®, with an added split backing for ease of installation. It is a valuable component of Weather Resistive Barrier (WRB) systems requiring connections into corners of window and door installations or complicated junctions. It is compatible with all window materials: aluminium, timber, uPVC and fibreglass. TESCON EXTORA® PROFIL is weathertight and vapour permeable. It is flexible, easy to cut, and has a 12|23|25 mm split backing release paper, ensuring maximum productivity when things get complicated. It can also be used internally. Internal use as a substitute for PEF rod and foam, or PEF rod and Wetseal. Tested to NZS4284:2008 achieving in excess of 4.85kPa.

ADVANTAGES:

- ✔ Excellent UV resistance (180 days exposure)
- ✔ Long-term durability
- ✔ Highly vapour permeable
- ✔ Weathertight and airtight connections for windows and doors

ID CODE	LENGTH	WIDTH	QTY
15050	30 m	60 mm	1

TECHNICAL DATA:

Carrier material:	special fleece based on PP
Adhesive:	solid acrylic adhesive
Release material:	siliconised paper
Temperature resistance:	long term -40 °C to +90 °C
Installation temperature:	from -20 °C
Colour:	black
Storage:	cool and dry
UV stability and outdoor exposure:	180 days

4.85 kPa NZS4284:2008

Red List Free

BRANZ Appraised
Appraisal No. 838

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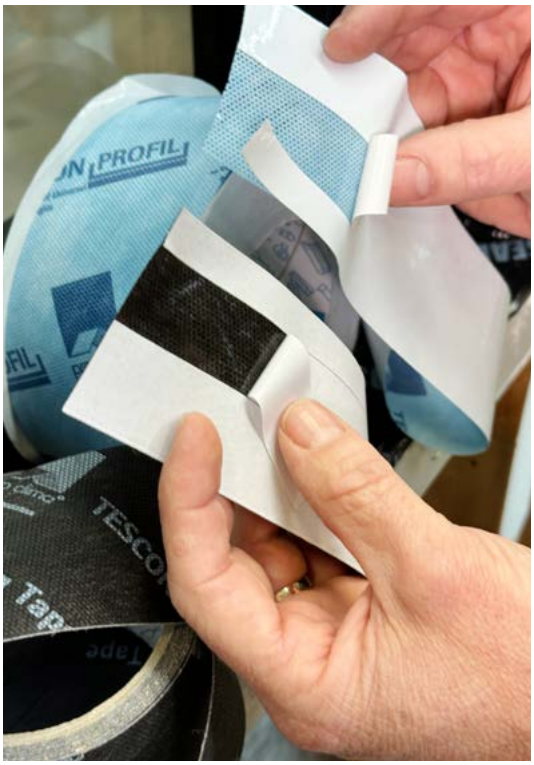


TESCON EXTOSEAL®

Sill Tape

APPLICATION: TESCON EXTOSEAL® sill tape is a flexible flashing tape for use around framed joinery openings as part of flexible or rigid Weather Resistive Barrier (WRB) systems. TESCON EXTOSEAL® provides a windtight and watertight adhesive seal to the substrate forming a weathertight sill to drain water safely to the outside.

ADVANTAGES:

- ✔ Excellent UV resistance (180 days exposure)
- ✔ Long-term durability
- ✔ Self-sealing around nail and screw penetrations
- ✔ Excellent adhesive strength
- ✔ Weathertight & airtight component of your WRB

ID CODE	LENGTH	WIDTH	QTY
14152	20 m	150 mm	1
14156	20 m	200 mm	1
1AR04418	20 m	300 mm	1

TECHNICAL DATA:

Carrier material:	butyl rubber with PE film
Adhesive:	solid acrylic adhesive
Release material:	siliconised foil in individual strips: 97 / 53 (150mm) 147 / 53 (200mm) 50 / 200 / 50 (300mm)
Temperature resistance:	long term -30 °C to +90 °C
Installation temperature:	above -20 °C
Thickness:	1 mm
Colour:	black
Storage:	cool and dry
UV stability and outdoor exposure:	180 days

Red List Free

BRANZ Appraised
Appraisal No. 815

TESCON® NAIDECK

Double-Sided Self-Sealing Strip

APPLICATION: TESCON® NAIDECK is a double-sided self-sealing strip designed to seal fixing penetrations into purlins, battens, or studs. It can be fixed directly to your Weather Resistive Barrier (WRB). It is an essential part of low-slope roof systems. TESCON® NAIDECK is compatible with the pro clima SOLITEX MENTO® and SOLITEX EXTASANA® membranes, rigid sheathings, rigid wall underlays and rigid air barriers. TESCON® NAIDECK can also be used in façade applications behind purlins, façade clips, and mounts to ensure the ultimate windtight and watertight WRB at high wind pressures. It is easy to cut, and has a simple-to-remove release paper, ensuring maximum productivity during installation.

ADVANTAGES:

- ✔ Ultimate water resistance on low slope roofs
- ✔ Weathertight penetrations in WRB layers
- ✔ Self-sealing around nail and screw penetrations
- ✔ Reinforced for extra strength
- ✔ Double-sided adhesion for ease of install

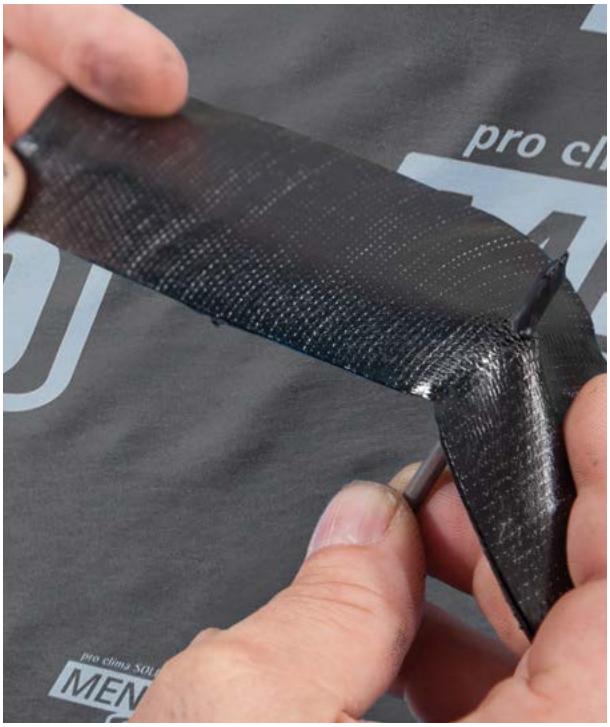
ID CODE	LENGTH	WIDTH	QTY
13599	20 m	50 mm	1
1AR02150	20 m	50 mm	24 big pack*

*big pack product only sold per unit.

TECHNICAL DATA:

Carrier material:	butyl rubber with PE film
Adhesive:	solid acrylic adhesive
Release material:	siliconised paper
Temperature resistance:	long term -20 °C to +80 °C
Installation temperature:	+5 °C to +35 °C
Thickness:	1 mm
Colour:	black
Storage:	cool and dry

Red List Free



TFLEX

Façade Control Joint Material

APPLICATION: Sealing strip made from strong and highly flexible Thermoplastic Polyurethane. Ideally suited for control joints and seismic movement joints in façade inter-floor transitions. With high UV stability, it is ideal for use with the SOLITEX EXTASANA ADHERO® or SOLITEX® ADHERO FC façade systems and can be used outdoors with up to 180 days exposure time prior to being covered.

ADVANTAGES:

- ✔ Watertight and vapour permeable
- ✔ Fire retardant
- ✔ Light weight for easy handling
- ✔ High-quality Thermoplastic Polyurethane, extremely flexible and elastic
- ✔ 180 days UV exposure

ID CODE	LENGTH	WIDTH	QTY
1AR04965	30 m	125 mm	1
1AR04966	30 m	250 mm	1

TECHNICAL DATA:

Material composition:		3-layer composite of elastic non-woven TPU
Surface weight:		280 g/m2 ± 10%
Thickness :		380-570 µm
Elongation at break:	MD / LD	300% / 300%
Tensile strength:	MD / LD	3.0 / 3.0 kN/m
Temperature resistance:		-40 °C to + 100 °C
Moisture Vapour Transmission Resistance (MVTR):		< 7 MN·s/g
Water control:		10,000 mm
Flammability index:		<5
Flammability:		Fire Retardant
UV stability and outdoor exposure:		180 days
Storage:		Cool and dry

ORCON® CLASSIC

Multi-Purpose Liquid Adhesive

APPLICATION: ORCON® CLASSIC is a durable, airtight, solvent-free sealing glue suitable for bonding all pro clima products to any building material; smooth or rough, masonry or timber. It is fast drying and performs even in extreme humidity or damp conditions.

ADVANTAGES:

- ✔ Provides a firm and durable elastic attachment
- ✔ Suitable for bonding of all pro clima membranes
- ✔ Airtight connection for the life of the building
- ✔ Excellent results in the hazardous substances test (ISO 16000)
- ✔ Cartridges are made from 100% post-consumer recycled materials

ID CODE	PACKAGING	VOLUME	EFFICIENCY/RANGE	QTY
12769	cartridge	310 ml	bead 5 mm ~ 15 m bead 8 mm ~ 6 m	1
12770	sausage	600 ml	bead 5 mm ~ 30 m bead 8 mm ~ 12 m	1

TECHNICAL DATA:

Material:	non-ageing acrylate polymers without softeners or halogenated compounds
Installation temperature:	-10 °C to +50 °C (adhesive temp. >0 °C)
Temperature resistance:	long term -20 °C to +80 °C
Storage:	> -20 °C, cool and dry

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100% RECYCLED PLASTIC

CONTEGA® EXO

Exterior Joinery Connection Strip

APPLICATION: CONTEGA® EXO is designed for use as a weathertight connection around the exterior edge of windows and doors. It is a non-wicking, non-porous, flexible tape that is versatile for use in timber, masonry and concrete structures. CONTEGA® EXO has adaptable installation options, provided by three strips of adhesive, and can also be plastered or rendered over on the fleece side. It is vapour-permeable, ensuring your structure remains dry and durable.

ADVANTAGES:

- ✔ Effective weathertight seal around windows and doors
- ✔ Outstanding adhesion on cold and/or wet surfaces
- ✔ Flexible to accommodate building movement
- ✔ Thin, highly pliable and easily formed around corners
- ✔ Weathertight connection for the life of the building

ID CODE	LENGTH	WIDTH	QTY
15844	30 m	85 mm	1
1AR01266	30 m	120 mm	1

TECHNICAL DATA:

Carrier material:	double-layer PP fleece and TEEE functional film
Release material:	silicone-coated PE film
Temperature resistance:	-40 °C to 90 °C
Installation temperature:	above -10 °C
Colour:	dark grey
Water column:	EN 20811 > 2,500 mm
Exposure time:	90 days
Storage:	cool and dry

CONTEGA® SOLIDO SL-D

Exterior Joinery Connection Strip

APPLICATION: CONTEGA® SOLIDO EXO-D is for exterior windtight joints that are resistant to driving rain between membranes or wood-based panels and windows, doors and mineral surfaces. The adhesive zone on the fleece side allows for easier adhesion to windows and doors if applied before they are installed. The taped joint is immediately windproof and can be subjected to loading. The fleece can simply be plastered over in accordance with the installation instructions.

ADVANTAGES:

- ✔ Saves time: the joint is immediately resistant to driving rain and can be subjected to loading
- ✔ Easy to work with thanks to the additional adhesive zone on the fleece side
- ✔ Can be plastered over directly: defined transition between window and/or wind sealing and plasterwork
- ✔ Reliable joints: water-resistant SOLID adhesive has extremely strong adhesion on mineral subsurfaces too
- ✔ Independently confirmed suitability: tests in accordance with MO-01/1 passed at IFT in Rosenheim, Germany

ID CODE	LENGTH	WIDTH	SPLITS ON RELEASE FILM	QTY
16135	30 m	80 mm	20 | 60 mm	1

TECHNICAL DATA:

Backing	PP backing fleece, PP copolymer special membrane
Adhesive	Modified water-resistant SOLID adhesive
Release film	Single/double-split silicone-coated PE sheet

COMPEGO

Multi-Purpose, Highly Flexible Airtight Tape

APPLICATION: Flexible elastic tape with high adhesion strength. Used to permanently seal overlaps, joints and connections for vapour-closed products. Use cases: taping XPS Foam insulation boards, Polyethylene sheet (underslab DPM), Foil-faced vapour-tight insulation boards, steel-skinned SIP panels.

ADVANTAGES:

- ✔ 90 days of outdoor exposure
- ✔ For airtight sealing
- ✔ Water-resistant adhesive
- ✔ Lowest VOC rating in hazardous substance test. Tested according to ISO 16000

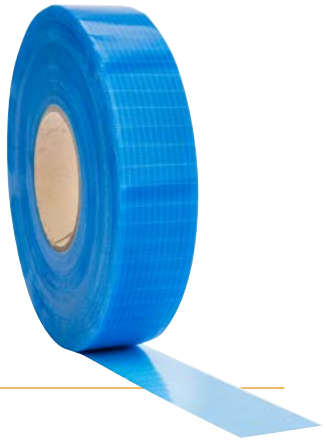
ID CODE	LENGTH	WIDTH	QTY
15357	25 m	60 mm	10
15385	25 m	100 mm	1
15386	25 m	150 mm	1

TECHNICAL DATA:

Backing:	elastic PE film
Adhesive:	acrylic adhesive
Release film:	siliconised paper
Colour:	white / blue
Exposure time:	90 days
Application temperature:	above -10 °C
Temperature resistance:	permanent -40 °C to +90 °C
Storage:	cool and dry

DUPLEX

Double-Sided Tape



APPLICATION: DUPLEX is an all-purpose double-sided tape, ideal for permanently bonding and sealing overlaps and end laps of Weather Resistive Barrier (WRB) membranes. It is also suitable for fixing SOLITEX EXTASANA® and SOLITEX MENTO® WRB membranes to steel structures before mechanical fastening. It is flexible, easy to cut, and has an easy to remove release paper, ensuring maximum productivity during installation. DUPLEX is reinforced with a scrim, providing strength while allowing it to remain thin and avoiding thick layered material build ups while providing easy application.

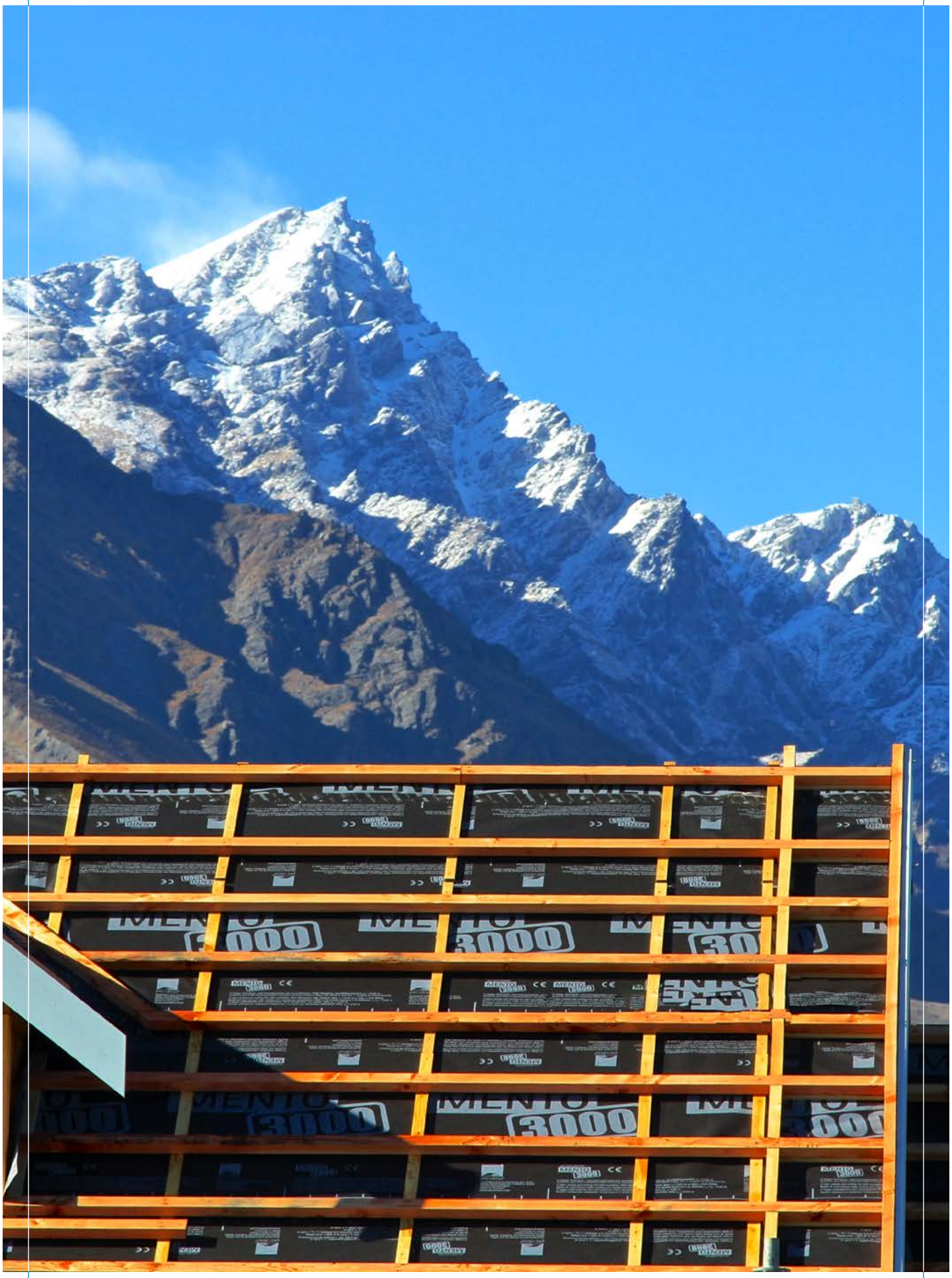
ADVANTAGES:

- ✔ Strong adhesion for maximum holding strength
- ✔ Double-sided for bonding and sealing layers
- ✔ Thin and flexible for easy application
- ✔ Can be applied to cold surfaces
- ✔ Reinforced for extra durability

ID CODE	LENGTH	WIDTH	QTY
1AR03913	80 m	25 mm	1

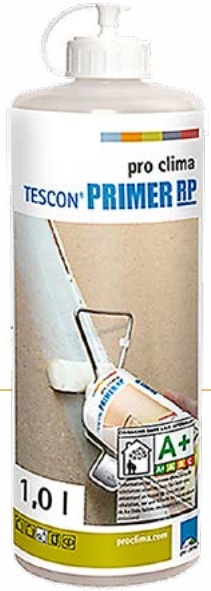
TECHNICAL DATA:

Carrier paper:	PP reinforcement
Release material:	siliconised paper
Temperature resistance:	long term from -40 °C to +90 °C
Application temperature:	over -10 °C
UV stability and outdoor exposure:	indoor and outdoor use without direct UV exposure
Colour:	blue
Storage:	cool and dry


MENTO
3000

TESCON® PRIMER RP

Solvent-Free Primer



APPLICATION: TESCON® PRIMER RP is applied to porous substrates to prepare the surface for optimum adhesion of TESCON® VANA, TESCON® PROFIL, TESCON EXTORA®, TESCON EXTORA® PROFIL & TESCON EXTOSEAL®. Use TESCON® PRIMER RP to prime substrates such as timber flooring, concrete, masonry, fibre cement, plywood, oriented strand board (OSB), and other porous or friable surfaces prior to application of pro clima tapes.

ADVANTAGES:

- ✔ Adhesion promoter
- ✔ No drying required prior to application of tapes
- ✔ Deep penetration into the substrate
- ✔ Application on damp surfaces is possible
- ✔ Solvent free

ID CODE	CONTENTS	COVERAGE	QTY
11449	1000 ml	4.5m²	1

The quantity used may vary depending on the substrate and application method.

TECHNICAL DATA:

Carrier material:	acrylic copolymer, solvent-free
Colour:	white
Temperature resistance:	-40 °C to +90 °C
Installation temperature:	-10 °C to +45 °C
Storage:	cool and dry

ROFLEX 20

Self-Adhesive Sealing Grommet for 1 Pipe or Cable, Ø 15 – 30 mm

APPLICATION: ROFLEX 20 is a sealing grommet ideally suited for quick and permanent airtight sealing of penetrations of cables and pipes. It is made of strong and flexible EPDM with an adhesive back and can be used inside to seal penetrations through the airtightness layer, as well as outside for penetrations in the roof and wall underlays. Cables and pipes can be pulled and pushed without damaging the airtightness layer.

ADVANTAGES:

- ✔ Airtight & watertight for the life of the building
- ✔ High-quality EPDM with an adhesive back, extremely flexible and elastic
- ✔ Excellent UV exposure – up to 180 days

ID CODE	LENGTH	WIDTH	QTY	
13605	145 mm	145 mm	5	
13606	145 mm	145 mm	30	big pack*
15912	145 mm	145 mm	100	jumbo pack*

*big pack product only sold per unit.
*jumbo pack product only sold per unit.

TECHNICAL DATA:

Material:	TESCON EXTORA® Tape with EPDM
Temperature resistance:	long term -40 °C to +150 °C (EPDM) long term -40 °C to +90 °C (TESCON® EXTORA)
Installation temperature:	over -10 °C
Storage:	cool and dry
UV stability and outdoor exposure:	180 days

BRANZ Appraised
Appraisal No. 953

Red List Free

phA CERTIFIED COMPONENT Passive House Institute

ROFLEX 20 multi

Sealing Grommet for up to 9 Pipes or Cables

APPLICATION: ROFLEX 20 multi is a sealing grommet for quick and permanent airtight sealing of up to 9 penetrations of conduit and pipes. Supplied with a hole punch. It is made of strong and flexible EPDM and can be used inside to seal penetrations through the airtightness layer, as well as outside for penetrations in the roof and wall underlays. Conduit and pipes can be pulled and pushed without damaging the EPDM seal.

ADVANTAGES:

- ✔ Suitable for up to 9 penetrations in the airtightness layer, façades and roof underlays
- ✔ Airtight & watertight for the life of the building
- ✔ High-quality EPDM, extremely flexible and elastic
- ✔ Excellent UV exposure – up to 180 days
- ✔ Supplied with TESCON EXTORA® weathertight sealing tape for external and internal installation.
- ✔ TESCON EXTORA® tape included

ID CODE	LENGTH	WIDTH	QTY
12936	200 m	200 mm	2

TECHNICAL DATA:

Material:	EPDM
Temperature resistance:	long term -40 °C to +150 °C (EPDM) long term -40 °C to +90 °C (TESCON® EXTORA)
Installation temperature:	from -10 °C
Storage:	cool and dry
UV stability and outdoor exposure:	180 days

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ROFLEX 30/50/100/150/200/250/300

Sealing Grommets for Pipes

APPLICATION: Sealing grommets are suited for quick and permanent airtight sealing of pipes' penetrations. They are made of strong and flexible EPDM and can be used inside to seal penetrations through the airtightness layer and outside for penetrations in the roof and wall underlays. Pipes can be pulled and pushed without damaging the EPDM seal.

ADVANTAGES:

- ✔ Airtight & watertight for the life of the building
- ✔ High-quality EPDM, extremely flexible and elastic
- ✔ Excellent UV exposure – up to 180 days
- ✔ Supplied with TESCON EXTORA® weathertight sealing tape for external and internal installation

PRODUCT	ID CODE	LENGTH	WIDTH	FOR DIAMETER	QTY	
ROFLEX 30	16704	140 mm	140 mm	Ø 30-50 mm	2**	
ROFLEX 30	16695	140 mm	140 mm	Ø 30-50 mm	20	big pack*
ROFLEX 30	1AR00149	140 mm	140 mm	Ø 30-50 mm	100	jumbo pack*
ROFLEX 50	13608	140 mm	140 mm	Ø 50-90 mm	2**	
ROFLEX 50	13609	140 mm	140 mm	Ø 50-90 mm	20	big pack*
ROFLEX 50	11362	140 mm	140 mm	Ø 50-90 mm	100	jumbo pack*
ROFLEX 100	13610	200 mm	200 mm	Ø 100-120 mm	2**	
ROFLEX 100	1AR02184	200 mm	200 mm	Ø 100-120 mm	10	big pack*
ROFLEX 100	13613	200 mm	200 mm	Ø 100-120 mm	20	big pack*
ROFLEX 100	16331	200 mm	200 mm	Ø 100-120 mm	100	jumbo pack*
ROFLEX 150	13614	250 mm	250 mm	Ø 120-170 mm	2**	
ROFLEX 150	1AR02201	250 mm	250 mm	Ø 120-170 mm	10	big pack*
ROFLEX 150	15908	250 mm	250 mm	Ø 120-170 mm	100	jumbo pack*
ROFLEX 200	13615	300 mm	300 mm	Ø 170-220 mm	2**	
ROFLEX 200	1AR02202	300 mm	300 mm	Ø 170-220 mm	10	big pack*
ROFLEX 200	13616	300 mm	300 mm	Ø 170-220 mm	20	big pack*
ROFLEX 250	13617	450 mm	450 mm	Ø 220-270 mm	2**	
ROFLEX 300	13618	500 mm	500 mm	Ø 270-320 mm	2**	

** tape included

*big pack product only sold per unit, tape not included.

*jumbo pack product only sold per unit, tape not included.

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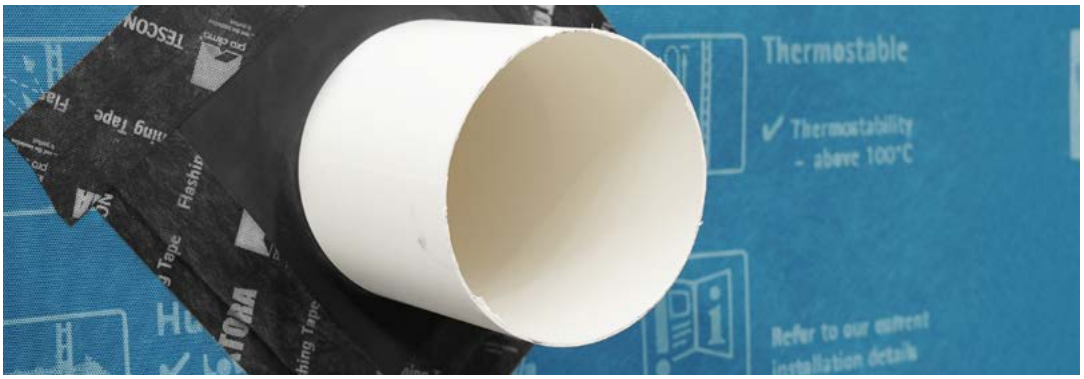
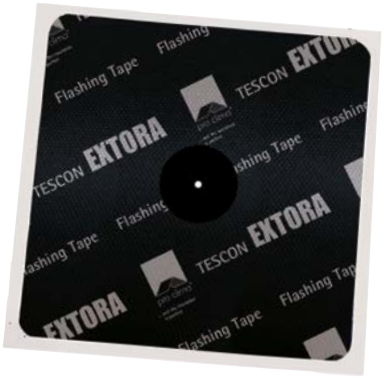
TECHNICAL DATA:

Material:	EPDM
Temperature resistance:	long term -40 °C to +150 °C (EPDM) long term -40 °C to +90 °C (TESCON® EXTORA)
Installation temperature:	over -10 °C
Storage:	cool and dry
UV stability and outdoor exposure:	180 days



KAFLEX mono



Self-Adhesive Cable Sealing Grommet for 1 Cable, Ø 5 – 12 mm

APPLICATION: An airtight and weathertight sealing grommet made of strong, flexible EPDM with adhesive back. KAFLEX is a beneficial component of all air barrier and weather-resistive barrier systems. It is compatible with membranes and underlays, as well as rigid sheathings, rigid wall underlays and rigid air barriers. Strong, flexible, UV stable for up to 180 days and simple-to-remove release paper ensure maximum productivity during installation. Best suited for round cables.

ADVANTAGES:

- ✔ Airtight & watertight for the life of the building
- ✔ High quality EPDM with adhesive back, extremely flexible and elastic
- ✔ Excellent UV exposure – up to 180 days
- ✔ Suitable for penetrations in façades, roof underlays and airtightness layers

ID CODE	LENGTH	WIDTH	QTY
13628	145 mm	145 mm	5

TECHNICAL DATA:

Material:	TESCON EXTORA® Tape with EPDM
Temperature resistance:	long term -40 °C to +150 °C (EPDM) long term -40 °C to +90 °C (TESCON® EXTORA)
Installation temperature:	over -10 °C
Storage:	cool and dry
UV stability and outdoor exposure:	180 days

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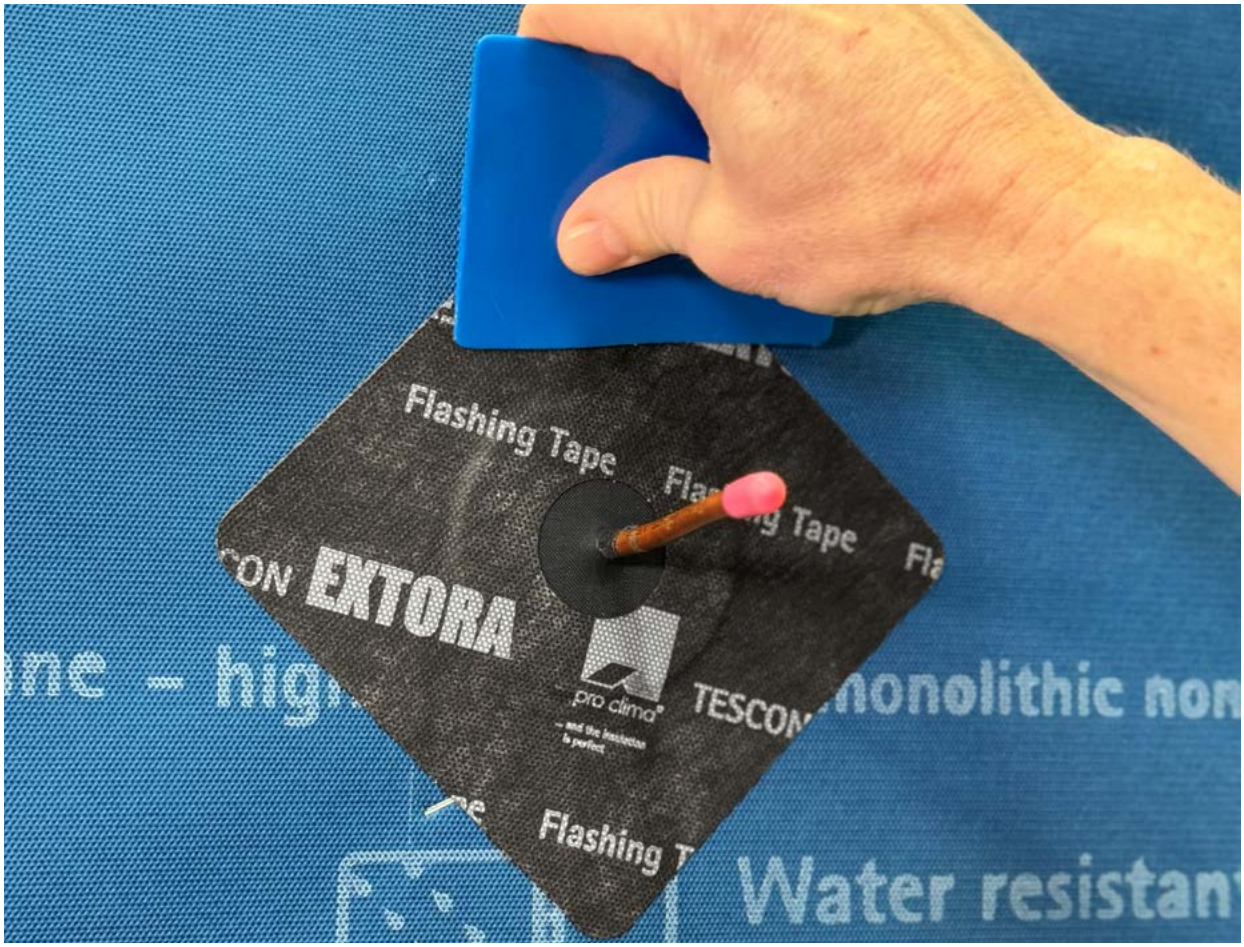
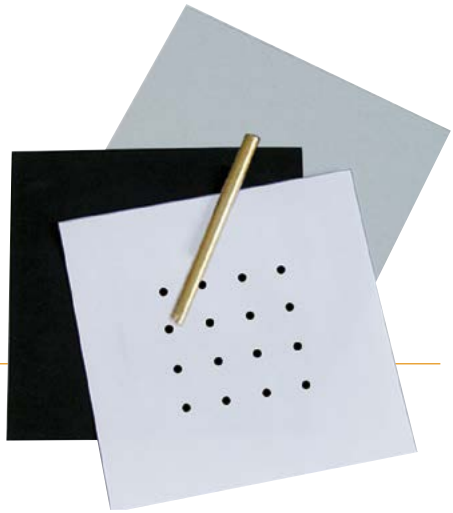


KAFLEX multi

Cable Sealing Grommet for up to 16 Cables, Ø 4.8 – 12 mm



APPLICATION: KAFLEX multi is an airtight, weathertight EPDM grommet designed to seal up to 16 cable penetrations in façade and roof linings. Flexible and UV stable for up to 180 days, KAFLEX is integral to all air and weather-resistant barrier systems. It is compatible with membranes, underlays, rigid sheathings, rigid wall underlays, and rigid air barriers. Supplied with tape and a hole punch.

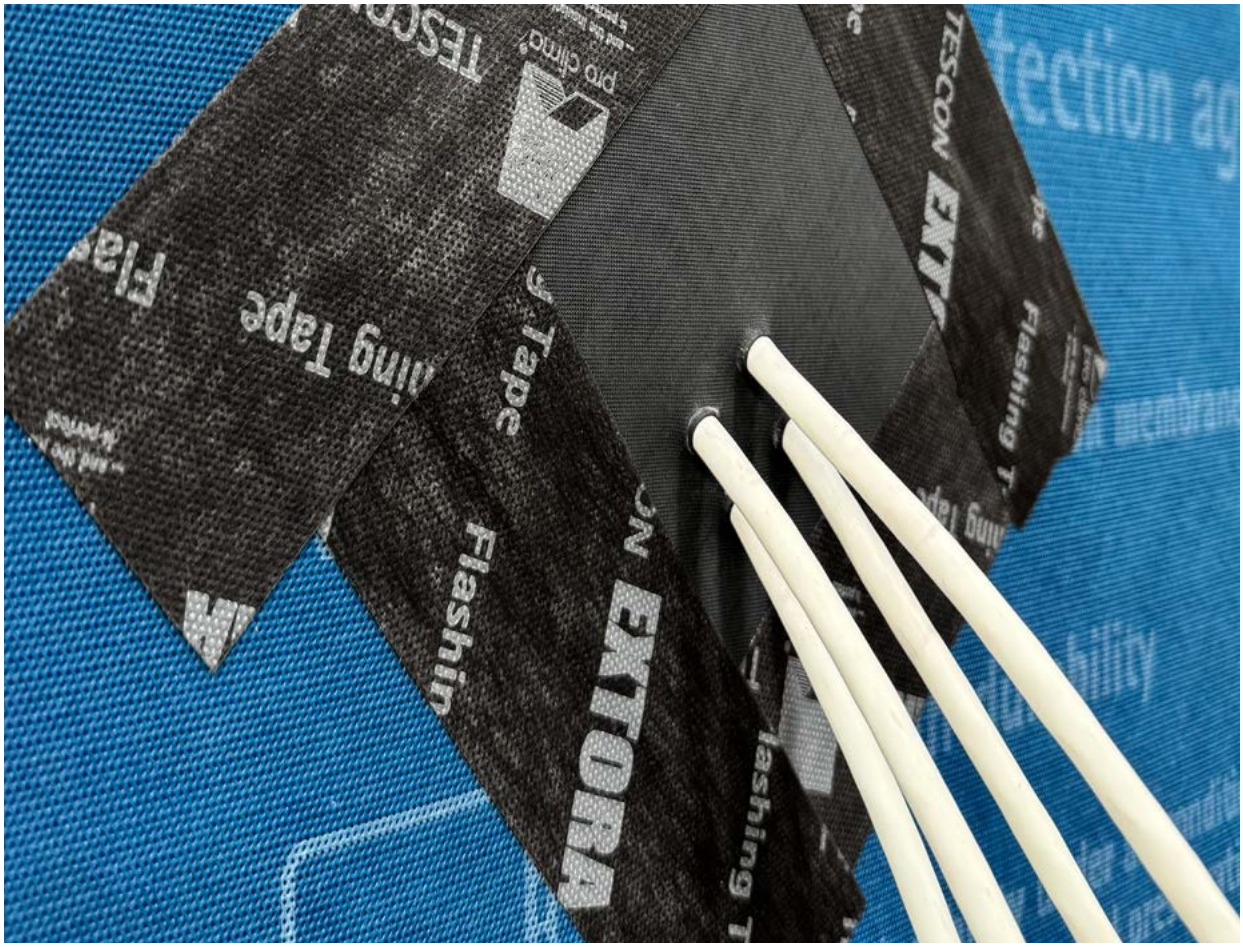
ADVANTAGES:

- ✔ Suitable for up to 16 cables
- ✔ Airtight & watertight for the life of the building
- ✔ High-quality EPDM, extremely flexible and elastic
- ✔ Excellent UV exposure – up to 180 days
- ✔ Supplied with TESCON EXTORA® Weathertight sealing tape for external and internal installation

ID CODE	LENGTH	WIDTH	QTY
13630	140 mm	140 mm	2

TECHNICAL DATA:

Material:	EPDM
Temperature resistance:	long term -40 °C to +150 °C (EPDM) long term -40 °C to +90 °C (TESCON® EXTORA)
Installation temperature:	over -10 °C
Storage:	cool and dry
UV stability and outdoor exposure:	180 days



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Building Science

Building science begins with the basics of thermodynamics, focusing on the flow of heat, air, and moisture through buildings. It also covers essential topics like acoustic transmission, fire resilience, indoor air quality, natural light, and ventilation. Pro Clima NZ Ltd offers courses tailored to various levels of expertise. Whether you're a builder seeking to enhance your practical knowledge of weathertightness and airtightness, or an experienced designer exploring intelligent air barriers, we're here to help you understand this vital field of applied science.

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A Blower Door test measures a building's airtightness. This is a key element of energy efficiency in construction for almost every building. We offer demonstrations at your site as part of regular presentations, and specific training courses for operators of blower doors. To find out more, contact your nearest Pro Clima sales person.

TECHNICAL DATA:

Frame dimensions:	width 0.71 – 1.14 m length 1.32 – 2.43 m
Power source:	230 V / 50 Hz
Maximum airflow volume:	up to 7,200 m³/h
Features:	with aluminium frame, DG-1000 digital pressure and flow gauge and software TECTITE Express
Warranty:	1 year

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