Partel

SAVE ENERGY.
BUILD SMART.

partel.com

ABOUT PARTEL

FOUNDED IN 2011 BY HUGH WHIRISKEY, PARTEL IS A COMPANY THAT PRODUCES AND SUPPLIES HIGH PERFORMANCE, ENERGY-EFFICIENT SYSTEMS IN ORDER TO BUILD SMART.

Established in the West of Ireland, we have experienced quick and healthy growth. Today we have a presence in 3 regions, Ireland, UK and recently North America. We provide a wide range of Airtight and Windtight Systems for the low-energy building sector.

Partel's portfolio has been developed with new products, offering builders a combination of technical expertise, functionality, sustainable quality and price. VARA, IZOPERM, EXOPERM, CONIZO and CONEXO are some of our brands which cover a wide range of internal and external applications. We continue to expand our portfolio with innovative systems including membranes, tapes and adhesives that inspire green building.

Technical excellence is at the core of our product development. We invest in high-performance products to support innovation and quality of life, with an unwavering focus on sustainability.

ENERGY CONSUMPTION WILL CONTINUE TO INCREASE IN THE NEXT DECADES. THE SOLUTION IS EFFICIENCY – SAVE ENERGY. BUILD SMART.

FOR THAT, WE LEVERAGE TECHNOLOGICAL INNOVATION TO USE LESS ENERGY, AND TO USE THE ENERGY THAT WE DO CONSUME, MORE INTELLIGENTLY.

BENEFITS TO ENHANCE THE BUILDING PERFORMANCE, IN EACH PRODUCT

- Reduce energy consumption
- Improve air quality
- Reduce noise
- Reduce heating/cooling costs
- Thermal and humidity protection
- Minimise pollutants for homeowners
- Avoid structural damage
- Achieve specified R/U values

Our background and expertise in Engineering, Architecture and Building physics will ensure the best-solutions for every construction challenge:

- Customised technical support
- WUFI condensation risk analysis
- Onsite inspections
- CPD Training and Seminars

EEBS
Energy Efficient
Building Seminar

BEST PRACTICE FOR AIR & WINDTIGHT STRUCTURES

This RIBA Approved CPD focuses on the importance of air and wind tightness in low-energy building design. It discusses the importance of external and internal membranes, their sealing and highlights best practice on how to specify and install. It also focuses on the risks associated with airtight buildings and how best to overcome these. The duration of this seminar is 45 minutes presentation plus a 10 minute questions & answers session.

Partel Business Development Managers are available for CPD bookings across the whole of the UK and Ireland.

CONTACT PARTEL ON +353 (0) 818 33 33 55
OR EMAIL CONTACT@PARTEL.COM

TECHNICAL WARRANTY

WE OFFER A 10 YEAR LIMITED WARRANTY AND A COMPREHENSIVE LIMITED SYSTEM WARRANTY.

The system warranty applies to the Partel Airtight and Windtight systems. It applies where Partel products are installed in as part of a complete Partel system insofar as Partel products are available. The terms of this warranty varies per region. Please refer to your local website for current information.

Partel VARA™ PLUS

SMART VAPOUR CONTROL MEMBRANE

Fields of Application

- Internal use
- Suitable for all insulation types
- Roof and timber frame wall

1.5M X 50M=75M²
59-1/16" X 164'-1/2" = 807 SF

Why Partel VARA PLUS?

- Best SD value range (Humidity variable vapour Sd-values from 0.4 m to >60 m) ensures optimum summer drying conditions and winter protection
- Optimal airtightness and water vapour transmission rate in different climate conditions
- Elastic and durable
- Reinforced for optimal strength
- Durable towards UV ageing
- Optimal protection against humidity, ensures drying of the building structure
- Extremely safe system
- Easy and quick to install
- Energy-efficient
- Increased durability of buildings
- Reduced heating/cooling costs

WEIGHT	EN 1849-2	110
SD- VALUE	EN 1931	0.4 M TO > 60 M
TEMP RESISTANCE		-40° TO 80°C
TENSILE STRENGTH	EN 12311-2	MD 350 / CD 315
NAIL TEAR RESISTANCE	EN 12310-1	MD 350 / CD 375

CE

VARIABLE TECHNOLOGY

Partel

VARA™ FLUID

FLEXIBLE, AIRTIGHT, SMART VAPOUR CONTROL LAYER

VARA FLUID is a breathable liquid membrane engineered to provide superior airtightness for long-term performance of the building envelope.

Why Partel VARA FLUID?

- Permeable to water vapour
- Excellent adhesion on various surfaces
- Ready-to-use product shortens application time, especially in commercial projects
- Ensures a continuous, flexible and permanent airtight
- Designed to achieve Passive Standard 0.6 AC/h in buildings, but can reach 0.2 AC/h if required
- Durable airtight connections
- LOW VOC polymer-based liquid

Fields of Application

- Internal and external use
- Can be applied both vertically and horizontally
- Wall to floor
- Wall to ceiling
- Wall to timber
- General construction joints

Quantity

11.5KG

Easy to apply with

- Roller
- Airless paint spray device

UV RESISTANCE		3 MONTHS
SD VAPOR VARIABILITY	EN-ISO 12572	0.15-16 @ 0.3MM
USAGE (DEPENDS ON SURFACE)		MIN 500G/M²
WATER RESISTANCE	EN-1928	W1
PROCESSING TEMPERATURE		+5°C

Partel

VARA™ FLUID BRUSH

PAINT-ON AIRTIGHT, SMART VAPOUR CONTROL LAYER

VARA FLUID BRUSH is a water-based smart vapor control coating providing a continuous airtightness over cracks and gaps in both new build and retrofit projects.

Fields of Application

- Internal and external use
- Can be applied both vertically and horizontally
- Wall to floor
- Wall to ceiling
- Wall to timber
- Pipe and ducting penetrations
- General construction joints

Why Partel VARA FLUID BRUSH?

- Permeable to water vapour
- Good adhesion on various surfaces
- Ready-to-use, fast application
- Flexible, ensures adequate coverage
- Durable airtight connections
- Brush applied, no need for primer
- LOW VOC polymer based liquid
- Ideal solution for complex details such as doors, windows, corners etc.

Quantity

5.5KG e

wtcb.be A+ ECT VARIABLE TECHNOLOGY

UV RESISTANCE		**3 MONTHS**
SD VAPOR VARIABILITY	**EN-ISO 12572**	**0.15-16 @ 0.3MM**
USAGE (DEPENDS ON SURFACE)		**+- 1KG /M²**
WATER RESISTANCE	**EN-1928**	**W1**
PROCESSING TEMPERATURE		**+5°C**

Partel

IZOPERM PLUS

OPTIMUM PERFORMANCE VAPOUR CONTROL MEMBRANE

Why Partel IZOPERM PLUS?

- Designed to be compatible with all conventional building systems
- Extremely strong
- Elastic and Durable
- Reinforced for optimum strength
- Optimum Sd value for most constructions
- Durable towards UV ageing
- Optimal protection against humidity, ensures drying of the building structure

Fields of Application

- Internal use
- Suitable for all insulation types
- Roof and timber frame wall

CERTIFIED COMPONENT Passive House Institute

CE

0.75M X 50M=37.5M²
29-17/32" X 164'-1/2" = 403.5 SF

1.5M X 50M=75M²
59-1/16" X 164'-1/2" = 807 SF

3M X 50M=150M²
9' 10-1/3"" X 164'-1/2" = 1615 SF

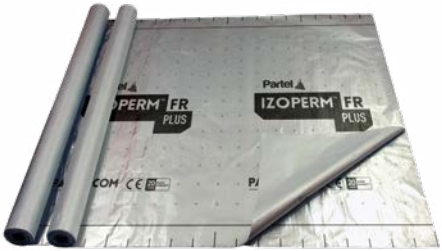
WEIGHT	EN 1849-2	100
SD- VALUE	EN 1931	5
TEMP RESISTANCE		-40 °C TO 80 °C
TENSILE STRENGTH	EN 12311-2	MD 285 / CD 385
NAIL TEAR RESISTANCE	EN 12310-1	MD 260 / CD 246

NEW

Partel

IZOPERM™ FR PLUS

NON-COMBUSTIBLE VAPOUR CONTROL LAYER



Fields of Application

- Internal use - Wall and ceiling
- Compatible with all insulation types
- Residential and commercial projects
- High-rise, high-risk buildings

1.5M X 50M=75M²
59-1/16" X 164'-1/2" = 807 SF

Why Partel IZOPERM PLUS FR?

- Fire-resistant vapour control layer
- High-performance, aluminium-based material for maximum structural fire safety
- Euroclass A2-s1, d0 fire rating, tested and compliant product
- Improves thermal performance (emissivity ≥ 0,05) due to its innovative reflective surface
- Weather-resistant membrane
- Controls structural condensation, and esnures drying of the building structure
- Superior aging resistance and dimensional stability
- Improves building durability and energy-efficiency

FIRE PROTECTION EUROCLASS A2-S1, D0

CE

20 YEARS PARTEL WARRANTY

WEIGHT	EN 1849-2	165 G/M² (+5%)
SD- VALUE	EN 1931	2000 M
REACTION TO FIRE	EN 13501-1	A2—S1, D0
WATER RESISTANCE	EN 1928	W1
TENSILE STRENGTH MD/CD*	EN 12311-1, MOD. WITH EN 13859-1:2010	800 / 800 N/50MM
NAIL TEAR RESISTANCE MD/CD*	EN 12310-1	170 / 150 N

Partel

EXOPERM™ MONO

TRUST THE EXOPERM MONO PROTECTION

Partel EXOPERM™ 150 MONO

Partel EXOPERM™ 150 MONO CONNEX

NEXT GENERATION MONOLITHIC MEMBRANE

- 3-Ply sarking, roof underlay and wind barrier with Next Generation Monolithic TPE functional layer
- Exoperm Mono membrane transports vapour to outside. The TPE functional layer located in the middle of the product, is vapor open whilst having excellent waterproofing properties
- The Monolithic TPE layer is continuous, free of pores, offering a complete barrier against the passage of water and long term durability for the building

Why Partel EXOPERM MONO 150?

- Highly breathable membrane (Sd 0.07 m)
- High resistance to penetration of water (W1)
- Ideal Airtightness and vapour transmission
- Excellent ageing resistance due to the Monolithic Technology
- Windtight, Highly diffusion open
- Optimal UV stability
- Helps to avoid structural damage

INTEGRATED TAPES ON BOTH SIDES AVAILABLE IN CONNEX VERSION, ENSURES OPTIMUM WINDTIGHTNESS.

Fields of Application

- External use
- Suitable for all insulation types
- Roof and wall

CE

1.5M X 50M=75M²
59-1/16" X 164'-1/2" = 807 SF

3M X 50M=150M²
9' 10-1/3"" X 164'-1/2" = 1615 SF

Partel

EXOPERM™ 200 MONO DURO

MONOLITHIC FIRE-RESISTANT MEMBRANE

Fields of Application

- External use
- Roof and facade/wall
- Suitable for all insulation types

1.5M X 50M=75M²
59-1/16" X 164'-1/2" = 807 SF

Why Partel EXOPERM MONO DURO 200?

- Increased Fire Resistance– B1
- Monolithic TPU Technology
- High Level of UV Resistance
- Ideal Airtightness and Vapour transmission
- Long term resistance to driving rain
- Windproof / Diffusion open
- Systematic safety and energy-efficient solution
- 2-Ply sarking, roof underlay and wind barrier with Next Generation Monolithic TPU functional layer

The TPU functional layer is vapor open while creates a complete wind tight, waterproof membrane that actively expels out any water, providing long-lasting UV protection and increased fire resistance.

MONOLITHIC TECHNOLOGY · CE · FR · UV · 15 YEARS PARTEL WARRANTY

WEIGHT	EN 13859-2	195 G/M² ± 10%
SD-VALUE	EN 13859-2	0.13 M
UV RESISTANCE	EN 12311-2	>10 YEARS*
FIRE RESISTANCE	DIN 4102	B1
TEMPERATURE RESISTANCE		-40°C TO 80°C

*does not apply in the case of open air weathering, but only when clad with a distance of approx. 5 cm and a maximum joint area of 40%

Partel

ECHOFOIL EXO

BREATHABLE REFLECTIVE MEMBRANE

Why Partel ECHOFOIL EXO?

- Highly-breathable membrane
- Durable protection of the building insulation
- Significant improvement of thermal resistance
- Humidity controlling and insulating properties
- Cost savings
- Windtight and waterproof
- Longer lasting
- Can be easily recycled due to the PP material
- Optimal UV Stability

Fields of Application

CE

- External use
- Roof and Wall

2.7M X 50M = 135M²
8'10-19/64" X 164'-1/2" = 1453 SF

3M X 50M=150M²
9' 10-1/3"" X 164'-1/2" = 1615 SF

WEIGHT	ISO 536	140 G/M²
SD- VALUE	EN 1931	0.16 M
TENSILE STRENGTH MD/CD	EN 12311-1	>200 / >150 N
RESISTANCE TO WATER PENETRATION	EN 12114	W2
TEMP RESISTANCE		-20ºC TO 80ºC
THERMAL RESISTANCE	BS ISO 9869	0.69M² K/W

Partel

ECHOFOIL IZO

REFLECTIVE VAPOUR CONTROL LAYER

Fields of Application

- Internal use
- It's damp proofing properties make it ideal for climate class 4 rooms such as saunas, swimming pools, kitchens and sport facilities

1.5M X 50M=75M²
59-1/16" X 164'-1/2" = 807 SF

3M X 50M=150M²
9' 10-1/3"" X 164'-1/2" = 1615 SF

Why Partel ECHOFOIL IZO?

- Lowest emissivity on the market reflecting up to 97%
- Water resistant (W1)
- Damp proofing
- Significant improvement of thermal resistance and insulation properties
- Humidity controlling and insulating
- Cost savings
- Great durability
- Optimal UV Stability

The reflective Vapour Control Layer (VCL) helps to improve the thermal performance of a structure via reflecting up to 97% of the internal heat from inside the structure back into the building. Used in conjunction with Echofoil Exo it increases thermal performance further and helps to lower U values.

WEIGHT	EN 1849-2	120 G/M²
SD- VALUE		100 M
TEMP RESISTANCE		-20ºC TO 80ºC
TENSILE STRENGTH MD/CD	EN 12311-2	320 / 280 N
THERMAL RESISTANCE	BS ISO 9869	0.75M² K/W

Partel VARA™ SEAL

Partel VARA™ SL SEAL

AIR AND WINDTIGHT SEALING TAPE

✔ CAN BE PLASTERED ✔ VARIABLE TECHNOLOGY

Why Partel VARA Seal?

- High shear strength
- High-performance airtight adhesive tape
- Resistant to weathering, UV stability
- Lifetime* design - excellent ageing resistance due to the strong acrylic adhesive
- Withstands a damp climate
- Extremely stable
- Environmentally friendly - free of solvents and emulsifiers, low VOC
- Outdoor exposure up to 3 months
- Easy to use – SL version has split release backing for quick installation
- Airtight connections to DIN 4108-11

SL VERSION

During application, 2 rear liners can be removed separately to facilitate easy installation.

Fields of Application

- Internal and external use
- Membrane overlaps, windows, doors, corners

VARA SEAL

60MM X 25M
(2-3/8" X 82')

VARA SEAL SL

80MM X 25M
(3-1/8" X 82')

150MM X 25M
(5 7/8" X 82')

200MM X 25M
(7 7/8" X 82')

* Adhesion: Before sticking tapes the surface should be clean and dry, water repelling substances are not suitable for adhesion. Use Primers (Acraprime) on porous or masonry surfaces. Adhesion is assured on all Partel membranes, planed timber, painted timber, plastics and metals. The more suitable the surface for adhesion the better the results, Folds, creases or substrate issues impact on the system . It is the responsibility of the applicator to perform adhesion tests prior to proceeding - where required. It is necessary to apply pressure using Partel 'Helping Hand' applicator. Tapes are not designed for tensile strains.

Partel

VARA™ SL SEAL X

AIR AND WINDTIGHT SEALING TAPE

✔ CAN BE PLASTERED ✔ VARIABLE TECHNOLOGY

Why Partel VARA Seal X SL?

- High shear strength
- High-performance airtight tape
- DOUBLE SIDED ADHESIVE ZONE
- Resistant to weathering, UV stability
- Lifetime* design - permanent ageing resistance due to the strong acrylic adhesive
- Withstands a damp climate
- Easy to use – split release backing for quick installation
- FINGERLIFT - ACCELERATE THE APPLICATION PROCESS
- Extremely stable
- Environmentally friendly - free of solvents and emulsifiers emulsifiers, low VOC
- Outdoor exposure up to 3 months
- Airtight connections to DIN 4108-11

Fields of Application

- Internal and external use
- Windows, doors, corners

SL VERSION

During application, 2 rear liners can be removed separately to facilitate easy installation.

100 MM X 25) (3-7/8" X 82')

150MM X 25M (5 7/8" X 82')

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

GEV-EMICODE EC 1 PLUS very low emission

VARIABLE TECHNOLOGY

* Adhesion: Before sticking tapes the surface should be clean and dry, water repelling substances are not suitable for adhesion. Use Primers (Acraprime) on porous or masonry surfaces. Adhesion is assured on all Partel membranes, planed timber, painted timber, plastics and metals. The more suitable the surface for adhesion the better the results, Folds, creases or substrate issues impact on the system . It is the responsibility of the applicator to perform adhesion tests prior to proceeding - where required. It is necessary to apply pressure using Partel 'Helping Hand' applicator. Tapes are not designed for tensile strains.

Partel CONIZO™ | Partel CONIZO™ SL

AIRTIGHT JOINING OF VAPOUR CONTROL LAYERS

Fields of Application

- Internal use
- Membrane overlaps, windows, doors, roof beams, corners

Why Partel CONIZO?

- High-performance airtight tape
- Lifetime* design - excellent ageing resistance due to the strong acrylic adhesive
- Withstands a damp climate
- Easy to tear by hand
- Extremely stable
- Environmentally friendly - free of solvents and emulsifiers, low VOC
- Easy to use – SL version has split release backing for quick installation
- Airtight connections to DIN 4108-11

SL VERSION

During application, 2 rear liners can be removed separately to facilitate easy installation.

60MM X 40M
(2-3/8" X 131'3")

* Adhesion: Before sticking tapes the surface should be clean and dry, water repelling substances are not suitable for adhesion. Use Primers (Acraprime) on porous or masonry surfaces. Adhesion is assured on all Partel membranes, planed timber, painted timber, plastics and metals. The more suitable the surface for adhesion the better the results, Folds, creases or substrate issues impact on the system . It is the responsibility of the applicator to perform adhesion tests prior to proceeding - where required. It is necessary to apply pressure using Partel 'Helping Hand' applicator. Tapes are not designed for tensile strains.

Partel CONEXO™ MULTISEAL

Partel CONEXO™ SL MULTISEAL

AIR AND WINDTIGHT SEALING TAPE

Why Partel CONEXO?

- High-performance airtight tape
- Lifetime* design - excellent ageing resistance due to the strong acrylic adhesive
- Easy to use – SL version has split release backing for quick installation
- Easy to tear by hand, accelerate the application process
- Withstands a damp climate
- Reinforced with elasticity
- Environmentally friendly - free of solvents and emulsifiers, low VOC
- Airtight connections to DIN 4108-11

Fields of Application

- Internal and external use
- Windows, doors, corners
- Joining of membranes, timber, metals
- Adheres to timber, masonry, concrete, PVC, metal and Partel membranes

SL VERSION

During application, 2 rear liners can be removed separately to facilitate easy installation.

CONEXO MULTISEAL

60MM X 25M
(2-3/8" X 82')

CONEXO MULTISEAL SL

60MM X 25M
(2-3/8" X 82')

100MM X 25M
(3-7/8" X 82)

* Adhesion: Before sticking tapes the surface should be clean and dry, water repelling substances are not suitable for adhesion. Use Primers (Acraprime) on porous or masonry surfaces. Adhesion is assured on all Partel membranes, planed timber, painted timber, plastics and metals. The more suitable the surface for adhesion the better the results, Folds, creases or substrate issues impact on the system . It is the responsibility of the applicator to perform adhesion tests prior to proceeding - where required. It is necessary to apply pressure using Partel 'Helping Hand' applicator. Tapes are not designed for tensile strains.

Partel

ECHOSEAL FR ALU

NON-COMBUSTIBLE SEALING TAPE

Why Partel ECHOSEAL ALU FR?

- High-performance tape based on fire-rated adhesive
- Aluminium surface with black/silver lacquer – excellent barrier against fire/flame and heat
- Reaction to fire Euroclass B to EN 13501-1 for tape
- Reaction to fire Euroclass A2–s1,d0 to EN 13501-1 for system integrating the IZOPERM PLUS FR membrane with max. 10% of the ECHOSEAL ALU FR tape
- Ensures controlled diffusion of water vapour
- Superior tensile strength and tear resistance
- Lifetime design - excellent ageing resistance due to the strong acrylic adhesive

Fields of Application

- Internal and External Use
- Sealing of membrane overlaps, window and door connections
- Optimum adhesion on all Partel aluminium based membranes

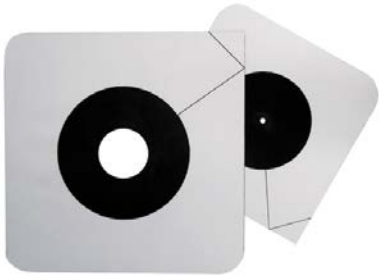
ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

75MM X 25M
(2 15/16" X 82(

Partel

KABSEAL™

SEALING GROMMIT



Why Partel KABSEAL?

- Manufactured from flexible high quality modified butyl with acrylic adhesive
- Fast and accurate airtight sealing of penetrations
- Temperature resistance - 40°C to 150°C
- Extremely flexible – Moulds to shape of pipe or cable
- Extremely stable and hermetically
- Water resistant
- Lifetime* design - permanent ageing resistance due to the strong acrylic adhesive
- Environmentally friendly - free of solvents and emulsifiers
- Airtight connections to DIN 4108-11

Fields of Application

- Internal and external use
- Ideal option to seal cable and pipe penetration

150*150	PACKS OF 5 FOR HOLE SIZES 6-10MM (5/16"X5/16" FOR HOLE SIZE1/4" TO 3/8")
150*150	PACKS OF 5 FOR HOLE SIZES 15-30MM (5/16"X5/16" FOR HOLE SIZE9/16" TO 1 3/16")
180*180	PACKS OF 2 FOR HOLE SIZES 50-90MM 5/16"X5/16" FOR HOLE SIZE2" TO 3 3/4)

OTHER DIMENSIONS AVAILABLE ON REQUEST

* Adhesion: Before sticking tapes the surface should be clean and dry, water repelling substances are not suitable for adhesion. Use Primers (Acraprime) on porous or masonry surfaces. Adhesion is assured on all Partel membranes, planed timber, painted timber, plastics and metals. The more suitable the surface for adhesion the better the results, Folds, creases or substrate issues impact on the system . It is the responsibility of the applicator to perform adhesion tests prior to proceeding - where required. It is necessary to apply pressure using Partel 'Helping Hand' applicator. Tapes are not designed for tensile strains.

Partel

CONLEX BUTYL

FLEXIBLE BUTYL TAPE WITH HIGH TACK

Why Partel CONLEX BUTYL?

- High-performance airtight tape
- Butyl rubber base tape
- Withstands a damp climate
- High adhesion and shear strength
- Lifetime flexibility
- Flexible – adapts to most surfaces and angles
- Environmentally friendly - free of solvents and emulsifiers
- Outdoor exposure up to 3 months
- Airtight connections to DIN 4108-11

Fields of Application

- Internal and external use
- Suitable to form parapets and sills
- Airtight connection

50MM X 5M
(2" X 16'-5')

200MM X 20M
(7 7/8" X 65 6/8")

Partel

CONPRESeal 3V BG1

MULTI-FUNCTIONAL PRE-COMPRESSED TAPE

✔ PASSIVE HOUSE COMPLIANT ✔ MOISTURE VARIABLE

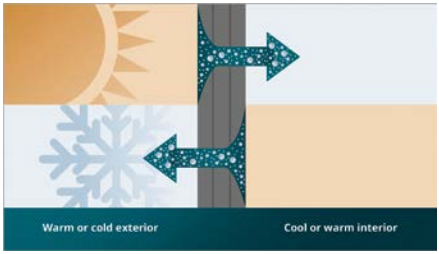
Why Partel CONPRESeal 3V BG1?

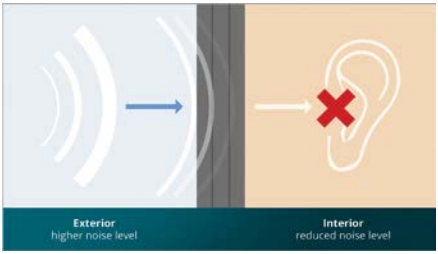
- Highly innovative tape
- Provide an excellent thermal, sound, air and rain barrier
- Very easy to use
- Their “moisture-adapting” membranes ensure that the joint can dry out all year
- Can be used in any weather conditions due to the protection layer
- Driving rain & air tight
- Breathable tape
- Excellent thermal and sound insulation
- Very low emissions
- DIN 18542:2009 certified
- Triple-Layer Joint Sealing System ensures tested joint sealing of windows suitable for all kind of buildings including Passive Houses in order to reduce energy costs and provides long-term performance and reliability of the sealed joint

Allows for movements of building components – e.g. linked to temperature changes.

Fields of Application

- Ideal for an easy and reliable sealing of windows and doors for wood construction, prefabricated construction masonry, framework construction and concrete construction
- After the installation, the polyurethane soft foam expands in the joint and provides a durable joint sealing and an optimal vapour management





Partel

CONPRESeal BG1

JOINT SEALING TAPE

✔ ASTM TESTED ✔ HURRICANE TESTED

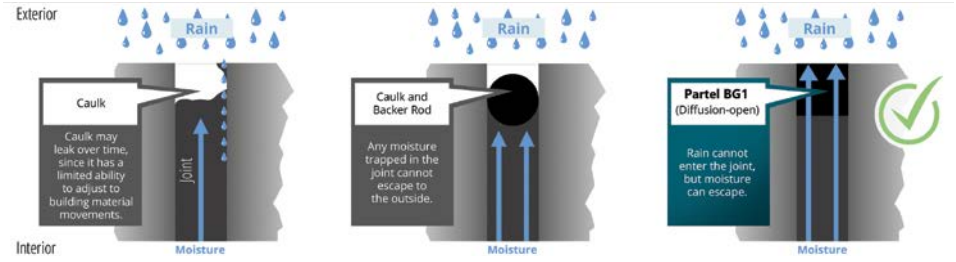
Why Partel CONPRESeal BG1?

- Extremely durable, exceeds the requirements for protection against driving rain, airtightness and resistance to weathering according to the highest European standard for joint sealant tapes DIN 18542:2009
- Driving rain & air tight (Resistant to driving rain)
- Breathable tape
- Excellent thermal and sound insulation
- Windproof
- Very low emissions
- 15 years function guarantee (tested and certified for a field installation after 15 years in service)

Available in various dimensions. Typical tape joint dimensions are e. g. 1/4 -1/2" and 3/8 - 5/8".

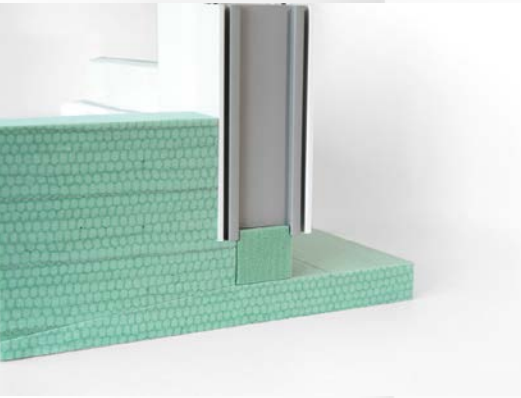
Fields of Application

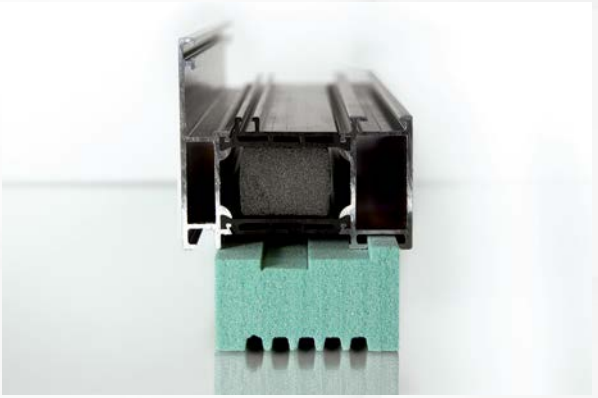
- Ideal for an easy and reliable sealing of windows and doors for wood construction, prefabricated construction masonry, framework construction and concrete construction
- BG1 is also suitable to seal facade joints made of brick, concrete, ACM panels and curtain wall



Partel

ALMA VERT





EFFICIENT THERMAL BREAK

HIGH COMPRESSIVE STRENGTH

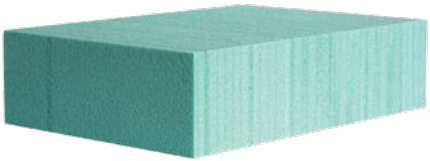
EXCELLENT MECHANICAL STRENGTH

ALMA VERT IS A PET-BASED PRODUCT

25 X 1.5 L PET BOTTLES PRODUCE 4.5 X 35 X 35CM ALMA VERT RAW BOARD

NEW

RECYCLED PANEL FOR HI-PERFORMANCE STRUCTURAL INSULATION



Partel ALMA VERT is a PET-based panel, the NEW sustainable alternative to conventional construction materials for reducing thermal bridges.

Owing to its versatility, being lighter, more compact and with a lower thermal conductivity, this green solution is designed to improve the energy efficiency of the building.

Fields of Application

- Internal and external use
- Thermal separation
- Doors
- Windows

Raw Density

- 115 kg/m³
- 180 kg/m³

Why Partel ALMA VERT?

- Efficient thermal break
- Excellent mechanical strength
- High compressive strength
- Low water absorption
- Permeable to water vapor diffusion
- Excellent thermal conductivity / R-value
- Environmentally-friendly core material (100% recyclable)
- Lightweight and cost-effective composite structure

1218 X 1005 X 50MM (4' X 3' 4" X 2")
1218 X 1005 X 75MM (4' X 3' 4" X 3")
BESPOKE SIZES UPON REQUEST

PROPERTIES	115	180	UNIT	STANDARD
COMPRESSIVE STRENGTH	1.5	3.2	N/mm²	EN 826
E-MODULUS COMPRESSION	67	118	N/mm²	EN 826
THERMAL CONDUCTIVITY	0.036	0.043	W/ (m . K)	EN 12667
WATER VAPOUR DIFFUSION	16.8	38.3	Sd	EN 12086

Partel

VERBOND

MULTI-PURPOSE ADHESIVE FOR CONSTRUCTION

Why Partel VERBOND?

- Hybrid technology – adhesive based on hybrid polymers
- Superior adhesion to various surfaces
- Solvent-free, Low VOC sealant
- Durable and flexible connections
- Excellent ageing resistance
- Good weather resistance
- Low shrinkage
- Not foaming
- Short drying time – 12 minutes
- Optimum UV stability

Fields of Application

- External & Internal use
- Bonding and sealing in the construction, industrial, and building areas
- Suitable for plaster, wood, stone, gypsum, PS foam, ceramics, rubber, PUR-foam, HPL, aluminium and tri laminate foil.
- Cracks and gaps filling.
- It can secure the assembly bonding of facades - sandwich elements and structural insulation products, ventilation and solar systems, wind power plants etc

OPERATION TEMPERATURE RANGE	-40 °C TO 100 °C / -40°F TO 212°F
PROCESSING TEMPERATURE	5°C TO 30°C / 41°F TO 86°F
COLOUR	WHITE

CONTENTS: 310ML

GEV-EMICODE EC1 PLUS very low emission

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

Partel

ACRABOND™ LIQUID

LIQUID ADHESIVE FOR AIRTIGHT CONNECTIONS

CONTENTS: 310ML & 600ML

Why Partel ACRABOND?

- Free of solvents - environmentally friendly
- High adhesion to most surfaces
- Durable and flexible airtight connections to DIN 4108-11
- Ageing resistant
- Good water resistance
- Frost-resistant
- Odourless

Fields of Application

- Indoor usage for airtight connections of airtight membranes including Partel VARA PLUS, IZOPERM PLUS and EXOPERM MONO to DIN 4108
- Suitable for plaster, untreated wood, concrete, stone, moisture and vapour barriers
- Surfaces must be clean, dry and free of dust and grease
- One surface must always be absorbent
- Not suitable for Sauna and swimming pool

CERTIFIED COMPONENT Passive House Institute

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

Partel

ACRAPRIME™ SPRAY

SPRAY PRIMER FOR PRE-TREATMENT OF POROUS SURFACES

Fields of Application

- External & Internal use
- ACRAPRIME SPRAY is used as a primer for porous surfaces like concrete, plaster, masonry, wood, fibre board and other building materials
- Apply ACRAPRIME SPRAY vertically. Chose the nozzle regulation and spray on the substrates at a distance of 20 cm

Why Partel ACRAPRIME SPRAY?

- Sprayable primer – fast and easy to apply
- Makes overhead and vertical work easier
- 3-position spray head: Low, Medium and High. It is possible to regulate the spray volume
- Short drying time
- Very low odour
- Creates strong adhesion for better results
- High initial tack, suitable for use in difficult conditions (cold, damp)
- Can be used with all Partel tapes and adhesives

CONTENTS: 500ML

COLOUR	LIGHT YELLOW
BASE MATERIAL	SYNTHETIC MIX AND RESINS IN SOLVENT
PROCESSING TEMPERATURE PRIMER	FROM -5°C

Partel

ACRAPRIME™ LIQUID

CONTENTS: 1000ML

ACRYLIC PRIMER FOR PRE-TREATMENT OF POROUS SURFACES

Why Partel ACRAPRIME?

- Creates strong adhesion
- Increased durability of airtight connections
- Very low-emission formulation
  - GEV EMICODE EC1 PLUS certification
- Quick-drying results in time-saving during application
- Re-closable, hermetically sealed cap that ensures longer product life
- 100% transparent formula after drying
- After the primer is dried fully, it became permanently tacky

Fields of Application

- Internal and external use
- ACRAPRIME LIQUID can be used on a variety of surfaces, including concrete, plaster fireboards, stone, brick, masonry, fibrous soft fibre board substrates, wood products, and other building materials
- Ideal to be used with VARA SEAL, CONEXO MULTISEAL, and CONIZO tapes
- Apply ACRAPRIME LIQUID with a paintbrush or paint roller and allow to dry for approx. 14 minutes (depending on temperature). Apply the Partel tapes or adhesive products afterward, using some pressure

STORAGE STABILITY	24 MONTHS
PROCESSING TEMPERATURE	-10°C TO +40°C (-14°F- +104°F)
MATERIAL	DISPERSION BASED ON POLYACRYLATE

NEW

Partel

FOAMSEAL™ B1 LIQUID

FIRE RETARDANT EXPANDING FOAM – CLASS B1

Why Partel FOAMSEAL LIQUID B1?

- Tested for fire safety - a reliable solution for building professionals
- Excellent thermal and sound insulation
- Class B1-s1,d0 fire rating under the EN 13501-1 standard
- High yield: 40 liters per can
- Resistant to aging - not applicable to UV radiation
- Eco-friendly propellants
- Fast and easy processing with a PU foam gun
- Dimensionally stable
- Frost and water-resistant
- High bonding strength on multiple substrates
- Good flow resistance, also suitable for wide joints

Fields of Application

- External & Internal use
- FOAMSeal Liquid B1 is ideal to fill and seal cracks and voids around windows, attic conversion, doors, partition walls, ventilation systems, joints in thermal insulation systems, pipelines etc.
- Versatile to be used on various building substrates - masonry, plaster, wood, concrete, bricks, plasterboards etc.

CONTENTS: 750ML

GEV-EMICODE EC 1 PLUS very low emission

COLOUR	LIGHT YELLOW
BASE MATERIAL	1-COMPONENT POLYURETHANE FOAM SEALANT. FREE FROM CFC, HCFC AND HFC.
RESILIENT AFTER (20°C/65 % RLF, MOISTENED)	APPROX. 3 HOURS - DEPENDING ON JOINT CONFIGURATION
DRIPPING BEHAVIOUR (DIN 4102-16)	"NO BURNING PARTICLES/DROPS DRIPPING OFF"
SKIN FORMING TIME	APPROX. 8 - 10 MINUTES

Partel

FOAMSEAL™ B3 LIQUID

Fields of Application

- Internal and External use - airtight connections
- Suitable for windows, attic conversion, doors, walls, corner joints, air conditioning and ventilation systems, pipelines, wooden structures
- Designed to fill and seal around gaps, cracks and penetrations
- Versatile to be used on various substrates like masonry, plaster, wood, concrete, aerated concrete, bricks, clinker, plasterboards, fiberboards, and many more

EXPANDING FOAM FOR AIRTIGHT CONNECTIONS

Why Partel FOAMSEAL LIQUID B3?

- Tested sound insulation 62 dB
- Excellent thermal insulation
- Fire behaviour acc. DIN 4102-1: class B3
- Excellent adhesion on various substrates
- High yield: 48 liters per can
- Very low emission – EC1 PLUS
- Fast and easy to install
- Dimensionally stable and frost resistant
- High bonding strength on various substrates
- Good flow resistance, also suitable for wide joints

CONTENTS: 750ML

Partel

HELPING HAND™

PROFESSIONAL TAPE PRESSURE APPLICATOR

Why Partel HELPING HAND?

- Extremely durable and flexible
- Consistent and prevents creases
- Windproof and rainproof
- Tapered edges for easy application of Partel tapes
- Protect your hands from getting sore and/or hot while rubbing down long stretches of tape
- Can be used also on small difficult surfaces like corners

100MM X 80MM X 2MM

Partel

DOWNLIGHT COVER

CIRCULAR AIRTIGHT DOWNLIGHT COVER

Typically 25% of household energy wastage is lost through air leakage.

Why Partel AIRTIGHT DOWNLIGHT COVER?

The Partel Airtight Downlight Cover is an innovative one-stop solution for achieving a safe, easy-to-install sealing system for down-lights.

- Reduce the risk of condensation
- Reduce draughts
- Improve air quality in living areas by reducing the air flow
- Works in tandem with heat recovery systems (controlled air flow)
- Can be fitted quickly and easily by anyone
- Can help reduce noise entering and escaping through downlights
- Compliant with the latest building regulations
- Manufactured from recyclable flame-retardant material
- Reduces fire risk from household storage items

Fields of Application

- Developed to be fitted over downlights which are situated in ceilings to lofts and attics
- Extremely easy to install

BASE: 190X190MM
HEIGHT: 145MM

PRODUCTS OVERVIEW

EXOPERM™ 150 MONO

NEXT GENERATION MONOLITHIC MEMBRANE

- Wind proof but diffusion open
- Available with integrated tapes on both sides

CONEXO™ MULTISEAL

INTERIOR AND EXTERIOR AIRTIGHT TAPE

- Reinforced with elasticity
- Split release backing

EXOPERM™ 200 MONO DURO

FIRE RESISTANT MONOLITHIC MEMBRANE

- Increased Fire Resistance — B1
- High Level of UV Resistance

IZOPERM™ PLUS

OPTIMUM AIRTIGHT AND VAPOUR CONTROL MEMBRANE

- High performance airtightness
- Reinforced for optimum strength

NAILSeal™

NAIL SEALING TAPE TO SEAL BETWEEN BATTENS AND EXOPERM

- Prevents water ingress during construction and afterwards

CONIZO™

INTERIOR WINDOW INSTALATION TAPE

- High performance airtight tape
- Split release backing

ECHOFOIL EXO

NEXT GENERATION MONOLITHIC REFLECTIVE MEMBRANE

- Humidity controlling
- insulating and Breathable membrane

CONPRESeal 3V BG1

MULTI-FUNCTIONAL TAPE

- Excellent thermal, sound, air and rain barrier

CONLEX BUTYL

FLEXIBLE BUTYL TAPE WITH HIGH TACK

- Easy to install
- Elastic and durable

ACRABOND™ LIQUID

MULTIPURPOSE AIRTIGHT ADHESIVE

- Solvent free
- Durable and flexible

ACRAPRIME™ SPRAY

SPRAY PRIMER FOR PRE-TREATMENT OF POROUS SURFACES

- Fast and easy to spray
- Permanently tacky

HELPING HAND

ASSISTS WITH PRESSURE APPLICATION OF TAPES

VARA™ PLUS

MOISTURE VARIABLE AIRTIGHT MEMBRANE

- Variable range ensures optimum drying conditions
- Reinforced for optimum strength

IZOPERM™ PLUS

OPTIMUM AIRTIGHT AND VAPOUR CONTROL MEMBRANE

- High performance airtightness
- Reinforced for optimum strength

CONEXO™ SL MULTISEAL

INTERIOR AND EXTERIOR AIRTIGHT TAPE

- Reinforced with elasticity
- Split release backing

EXOPERM 150 MONO

NEXT GENERATION MONOLITHIC MEMBRANE

- Wind proof but diffusion open
- Available with integrated tapes on both sides

VARA™ FLUID

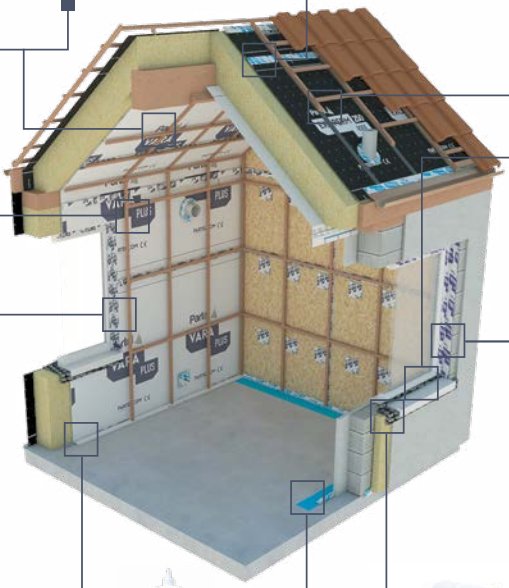
FLEXIBLE, AIRTIGHT, SMART VAPOUR CONTROL LAYER

- Fluid applied membrane
- Vapour permeable layer

ALMA VERT

RECYCLED PANEL FOR STRUCTURAL INSULATION

- Excellent thermal conductivity
- Highly efficient thermal break



CONPRESeal BG1

JOINT SEALING TAPE

- Excellent sound and thermal insulation

CONIZO

INTERIOR WINDOW INSTALATION TAPE

- High performance airtight tape
- Split release backing

ACRABOND LIQUID

MULTIPURPOSE AIRTIGHT ADHESIVE

- Solvent free
- Durable and flexible

ACRAPRIME™ LIQUID

PRIMER FOR POROUS SURFACES

- Quick drying
- Workable on cold surfaces

CONLEX BUTYL

FLEXIBLE BUTYL TAPE WITH HIGH TACK

- Easy to install
- Elastic and durable

VARA™ SEAL

INTERIOR AND EXTERIOR WINDOW TAPE

- Moisture variable
- Plasterable window

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