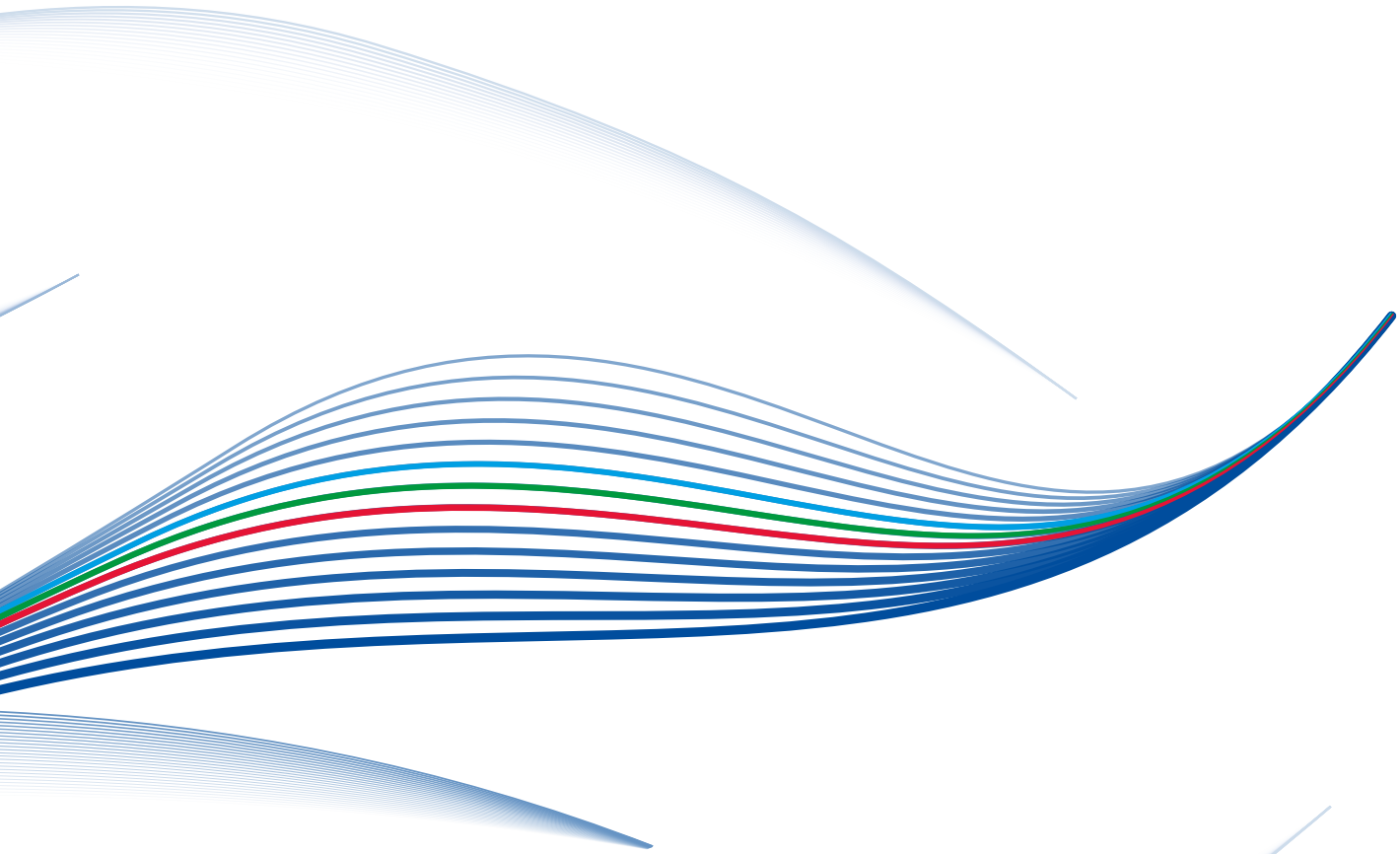
eternity**comfort**

R1 Elements for roof ventilation and accessories

R2 Breathable membranes and vapour control layers

R3 **Waterproofing, air- and windtightness**



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Index: Waterproofing, air- and windtightness

USB Tape 1 PE

Art. USB Tape 1 PE ***02040160***
Art. USB Tape 1 PE 100 X ***02040193***
Art. USB Tape 1 PE 150 ***02040194***

QUICK OVERVIEW: STRENGTHS

The universal one, for every need!

Adhesive tape guaranteeing tightness against water, air, wind, vapour and noise for any interruptions of membranes.

Highly effective acrylic glue, solvent free.

Surface in **waterproof** polyethylene, guaranteed against ageing, especially recommended for **exterior use**.

Easy and quick application thanks to the **Nastrator** automatic applicator.

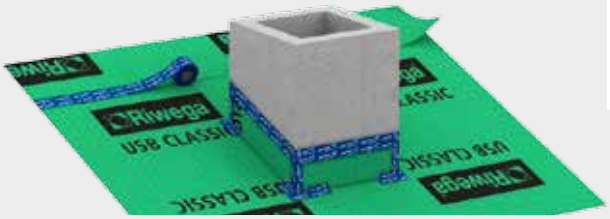
Product description: professional, universal polyethylene adhesive tape with mesh reinforcement, coated with highly adhesive acrylic glue for inside and outside use. This tape has been specially produced for sealing USB Riwega membranes, vapour control layers and barriers with the purpose of providing a seal against water, air, wind, vapour and noise on interruptions in roofs and walls.

Use: for sealing USB Riwega membranes, vapour control layers and barriers at the overlaps or directly onto the lateral surfaces of roof windows, chimneys, vents, etc. as well as for sealing wooden wall joints (X-lam) or OSB boards. Thanks to its water-resistant polyethylene surface, USB Tape 1 PE is particularly recommended for external use.

The evolution: USB Tape 1 PE available in two versions: USB Tape 1 PE 100 X and USB Tape 1 PE 150. Especially designed and produced in widths of 10 or 15 cm in order to repair accidental tears or breaks in the Riwega USB breathable membranes, vapour control layers or barriers in roof or wall construction as well as for the sealing of any types of holes, gaps or openings in wood structures, with the aim of guaranteeing airtightness. The silicone liner of the USB Tape 1 PE 100X is cutted lengthwise in two parts; width of 50 mm each. This makes the laying of internal corner joins of panel walls and OSB boards easier and faster. In fact with the full liner it would be quite difficult laying this product because the surface would stick together before the tape is pressed firmly.

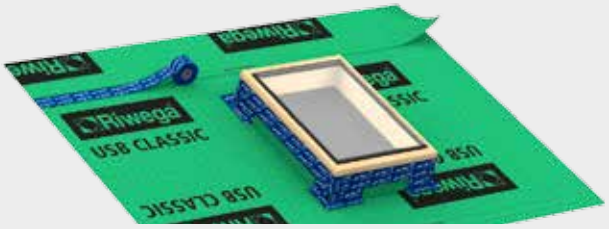
Sealing with USB Tape 1 PE - so easy a child could do it! Thanks to the characteristics mentioned, USB Tape 1 PE adhesive tape is considered to be the ideal, all-round product for achieving a perfect seal quickly and easily with excellent results anywhere in a building.

Sealing of USB Riwega breathable membranes against air, water, wind and vapour on roof overlaps



Sealing of USB Riwega breathable membranes against air, water, wind and vapour on roof overlaps and around chimney edges

Sealing of USB Riwega breathable membranes against air, water, wind and vapour on roof overlaps and around vent edges



Sealing of USB Riwega breathable membranes against air, water, wind and vapour on roof overlaps and around window edges

Application: identify all the surfaces to be bonded, make sure that they are dry and free from dust and grease (alternatively, use USB Primer to treat the surfaces); after cutting the desired length of tape, remove the protective liner, lay the adhesive tape onto the overlap of the surfaces and press firmly along the entire surface of the adhesive tape using the roller so that the adhesive bonds properly. The acrylic glue bonds immediately but develops its maximum adhesive strength over 24 hours. The temperature limit for the acrylic glue to provide an immediate minimal bond is -10°C; therefore, the lower the temperature, the lower the immediate bonding time; in any case, once the tape is laid, the adhesive process develops as the temperature increases, until it reaches its maximum bonding seal.

Sealing of USB Riwega breathable membranes against air, water, wind and vapour on wall overlaps

Technical data sheet	USB Tape 1 PE	USB Tape 1 PE 100 X	USB Tape 1 PE 150
Measurements	60 mm x 25 m	100 mm x 25 m	150 mm x 25 m
Colour	blue		
Glue	dispersion based acrylic solvent and plasticiser free		
Thickness	0,29 - 0,32 mm		
Glue weight	220 - 240 g/m²		
Glue carrier material	tape with PE surface with polyester reinforcing mesh		
Covering material	silicone liner	pre-cut synthetic liner	silicone liner
Peel adhesion (AFERA 5001)	≥ 30 N/25 mm		
Tear resistance with elasticity	≥ 25 N/25 mm; 300%		
Sd value	12 m		
Recommended working temperature	from +5°C		
Working temperature (workable)	from -10°C		
Operating temperature	from -40°C to + 80°C		
Adhesion reaction time	immediate / maximum adhesion in 24 h		
UV stability	24 months		
Packaging	boxes of 10 rolls (10 x 25 m)	boxes of 6 rolls (6 x 25 m)	boxes of 4 rolls (4 x 25 m)
Storage	keep in a cool and dry place for max. 24 months		

USB Tape Strong

Art. **02040170**

QUICK OVERVIEW: STRENGTHS

The dimensionally stable one!

Increased dimensional stability thanks to the PP base layer, valid for **use inside or outside**.

For water, air and wind proofing of interruptions of the control layers and breathable membranes of wood structures.

High performance, solvent free acrylic glue.

Reduced lateral adhesion of the roll.

Tearable by hand!

- Polypropylene
- Acrylic glue
- Polyester reinforcing mesh
- Acrylic glue
- Silicone liner

Description and use: USB Tape Strong is an adhesive tape for sealing all critical points of the building envelope against water, air and wind. Thanks to its universal adhesive properties, it is recommended as an adhesive tape for all breathable membranes, vapour barriers and control layers for sealing overlaps at the end of the roll, at connections with other materials (e.g. wood, cement or plaster) and openings in the roofing, as well as for sealing structures in wood.

new product

Highly efficient adhesive tape guaranteeing immediate bonding on polyethylene sheeting, membranes in HDPE, polypropylene and polyester or membranes with special surface treatments. The material is very dimensionally stable thanks to its reinforcement. This guarantees long-term bonding of the building materials´ surfaces and avoids the formation of fissures even when subjected to high fluctuations in temperature or thermic stress. The special acrylic glue regulates the waterproofing characteristics in case of humidity (i.e. rainwater or vapour) and guarantees heightened durability over time and in case of movements of the structure. The serrated edge gives the tape two important characteristics: it is tearable by hand and the rolls have reduced lateral adhesion.

Technical data sheet	
Measurements	60 mm x 25 m
Colour	beige
Glue	dispersion based acrylic solvent and plasticiser free
Thickness	0,32 - 0,34 mm
Glue weight	230 g/m² (±10%)
Glue carrier material	tape with PP surface with polyester reinforcing mesh
Covering material	silicone liner
Peel adhesion (AFERA 5001)	≥ 30 N/25 mm
Tear resistance with elasticity	≥ 60 N/25 mm; 450%
Sd value	6 m
Recommended working temperature	from +5°C
Working temperature (workable)	from -10°C
Operating temperature	from -30°C to +120°C
Adhesion reaction time	immediate / maximum adhesion in 24 h
UV stability	24 months
Packaging	boxes of 10 rolls (10 x 25 m)
Storage	keep in a cool and dry place for max. 24 months

USB Tape UV

Art. 60 mm ***02040183***
Art. 80 mm ***02040181***

- UV stabilized polyethylene
- Acrylic glue
- Polyester reinforcing mesh
- Acrylic glue
- Silicone liner

Description and use: professional, universal polyethylene 60 or 80 mm wide adhesive tape, with polyester reinforcing mesh coated with highly adhesive acrylic glue,UV stable, for external use. This product has been specifically created for sealing USB Windtop UV, USB Vita, USB Protector GOLD 330 and USB Protector SILVER 230 breathable membranes on overlaps or directly onto the lateral surfaces of windows, chimneys, vents, etc. with the purpose of providing a seal against water, air, wind, vapour and noise on interruptions in roofs. It is particularly recommended for external use due to its water resistant polyethylene surface.

QUICK OVERVIEW: STRENGTHS

Super UV stable!

Adhesive tape that guarantees wind and water tightness of any interruption of a ventilated facade, for exterior use.

Surface in polyethylene, UV stable and **water resistant**, guaranteed against ageing.

High-performance acrylic glue, solvent free.

Easy and quick application.

Application: identify the surfaces to be bonded and make sure that they are dry and free from dust and grease; after cutting the desired length of tape, remove the protective liner, lay the adhesive tape onto the overlap of the surfaces and press firmly along the entire surface of the adhesive tape using the roller so that the adhesive bonds properly.

Technical data sheet	USB Tape UV 60	USB Tape UV 80
Measurements	60 mm x 25 m	80 mm x 25 m
Colour	black	
Glue	dispersion based acrylic solvent and plasticiser free	
Thickness	0,30 - 0,33 mm	
Glue weight	220 - 240 g/m²	
Glue carrier material	UV stabilized polyethylene with polyester reinforcing mesh	
Covering material	brown silicone liner	
Peel adhesion (AFERA 5001)	≥ 40 N/25 mm	
Tear resistance with elasticity	≥ 25 N/25 mm; 300%	
Sd value	12 m	
Recommended working temperature	from +5°C	
Working temperature (workable)	from -10°C	
Operating temperature	from -30°C to +100°C	
Adhesion reaction time	immediate / maximum adhesion in 24 h	
UV stability	stable	
Packaging	boxes of 10 rolls (10 x 25 m)	boxes of 6 rolls (6 x 25 m)
Storage	keep in a cool and dry place for max. 24 months	

USB Tape Corner*

Art. 30/30 **02040191**
Art. 12/48 **02040192**

QUICK OVERVIEW: STRENGTHS

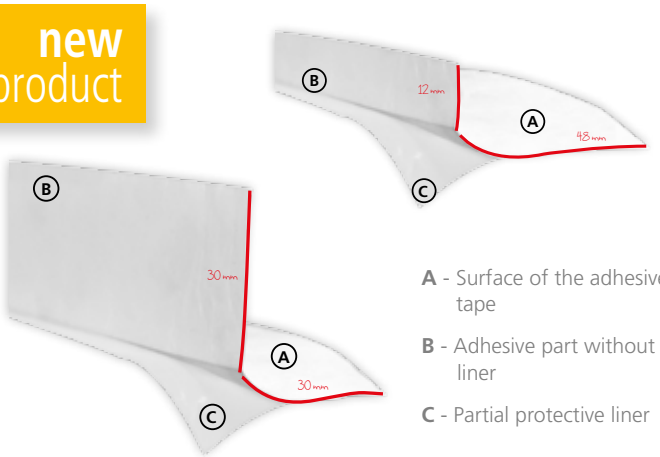
The best one for angular conjunctions!

Pre-folded adhesive tape with partial liner for practical and quick application, developed especially for sealing angular conjunctions.

High performance, solvent free acrylic glue for all surfaces.

Guaranteed for water, air, wind, vapour and sound proofing for **interior or exterior use**.

new product



A - Surface of the adhesive tape

B - Adhesive part without liner

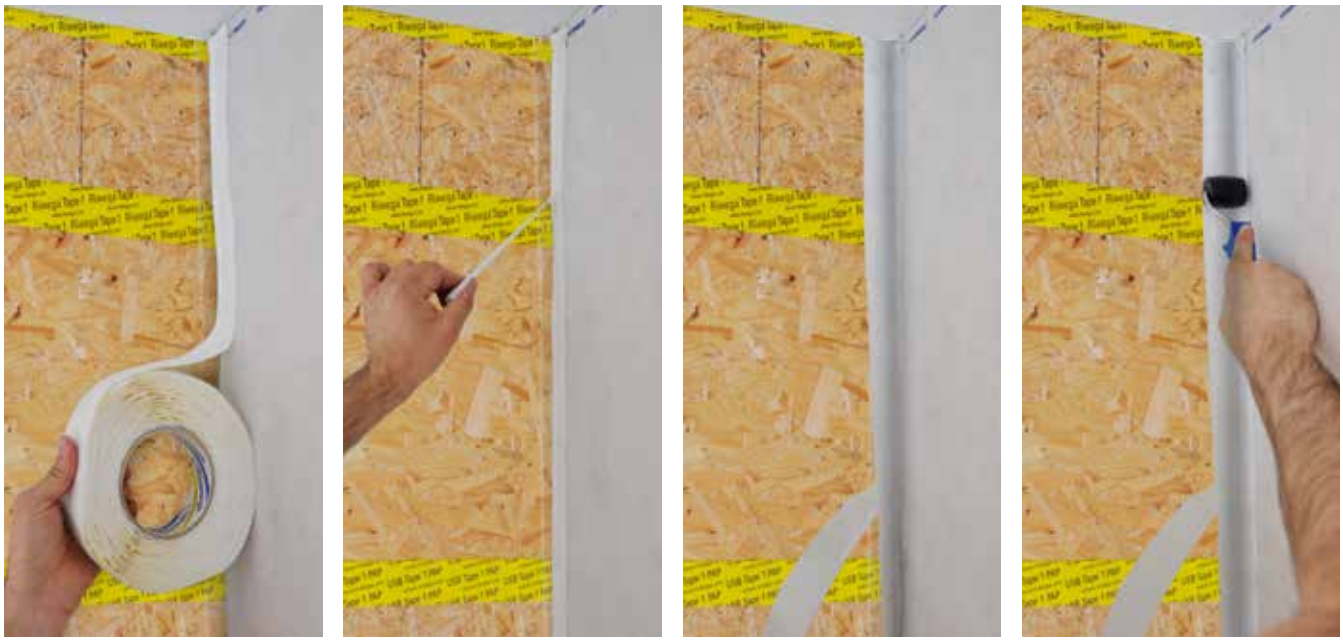
C - Partial protective liner

Description and use: adhesive tape in PE spread with high performance acrylic glue, pre-folded with a partial protective liner (30mm for the 30-30 version; 48mm for the 12-48 version) for interior or exterior use. Especially developed for fast and easy sealing of internal conjunctions of corners of panel walls, OSB panels or the conjunctions of door and window systems between the counterframe and wooden structures to guarantee sealing against wind, air, vapour and sound.

Application: determine the surfaces to be joined; the surfaces must be clean and free of dust and grease (if needed, use USB Prime or USB Primer Spray to stabilize the working surface); apply the unlined side of the pre-folded tape to one of the corner surfaces, remove the protective liner from the other side and apply its surface to the opposite working surface of the corner and press all surfaces firmly using the corresponding roller in order to bond properly with the glue.

Use on connections on wood structures

Use in laying on X-lam walls or OSB panels



Use in installation of windows in wood houses

Technical data sheet	USB Tape Corner 30/30	USB Tape Corner 12/48
Measurements	30 + 30 mm x 25 m	12 + 48 mm x 25 m
Operating temperature	from +0 °C	
Resistance temperature	from -40 a +80 °C	
Colour	white	
Glue	dispersion based acrylic solvent and plasticiser free	
Glue weight	230 g/m²	
Sd value	ca.0,5m	
UV stability	4 months	
Packaging	boxes of 7 rolls (7 x 25 m)	boxes of 5 rolls (5 x 25 m)
Storage	store in a dry place at ca. 20°C, away from direct sunlight for max. 12 months	

*Exclusive direct sales of USB Tape Corner products for: Italy, Croatia, Slovenia, Estonia, Lithuania, Latvia, Finland, Portugal, Bulgaria, Switzerland, Greece, Romania, Slovakia, Turkey

Riwega Srl is not responsible for negligent or improper use of its products.

USB Tape 1 PAP

Art. USB Tape 1 PAP ***02040150***
Art. USB Tape 1 PAP X ***02040151***
Art. USB Tape 1 PAP X3 ***02040152***

QUICK OVERVIEW: STRENGTHS

The tape specifically for interior use!

Adhesive tape guaranteed for air, vapour and sound proofing of any interruptions of vapour control barriers, for **interior use**.

High-performance acrylic glue, solvent free.

Perfect adhesion to synthetic membranes and surfaces in wood or wood derivatives.

Easy and quick application thanks to the **Nastrator** automatic applicator.

Product description: adhesive tape on PE treated paper coated with highly adhesive acrylic glue for internal use. The tape has been specifically produced for bonding USB Riwega vapour control layers or barriers with the purpose of providing a seal against air, wind, vapour and noise on interruptions in roofs and/or walls. Can also be used for internal sealing of wood panels or OSB boards on walls in wooden houses.

Use: for bonding of USB Riwega vapour control layers or barriers on the overlaps or directly onto the lateral surfaces of roof windows, chimneys, vents, etc. as well as for internal sealing of wooden wall joints (X-lam) or OSB boards.

Application: identify all surfaces to be bonded, make sure that they are dry and free from dust and grease (alternatively, use USB Primer to clean the surfaces); after cutting the desired length of tape, remove the protective liner, lay the adhesive tape onto the overlapping of the required surfaces and press firmly along the entire surface of the adhesive tape using the roller so that the adhesive bonds properly.

USB Tape 1 PAP X

USB Tape 1 PAP X3

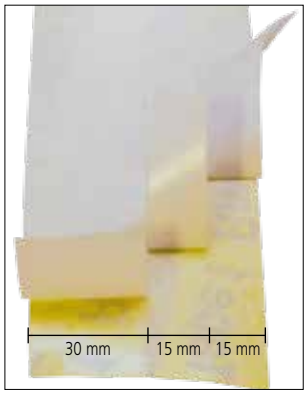
The evolution: USB Tape 1 PAP is also offered in two further versions, **USB Tape 1 PAP X** and **USB Tape 1 PAP X3**, whose protective silicone liner is cut lengthwise into two or three sections. This development makes it easier and quicker to seal the internal corner joins of panel walls and OSB boards; in fact, with the full liner, it would be quite difficult to seal corners without the adhesive tape sticking awkwardly before being able to press firmly on the two opposing surfaces of the panels.

Application: identify all surfaces to be bonded, make sure that they are dry and free from dust and grease (alternatively, use USB Primer to treat the surfaces); after cutting the desired length of tape, remove the protective liner, lay the adhesive surface onto the contours of the subframe and press firmly along the entire surface of the adhesive tape using the roller so that the adhesive bonds properly. Repeat this operation for gluing the tape onto the contours of the subframe and wooden wall.

- Paper with PE coating
- Acrylic glue
- Synthetic liner cut in half Lengthwise

- Paper with PE coating
- Acrylic glue
- Synthetic liner cut in three parts

USB Tape 1 PAP X3 for sealing between the subframe and wooden wall



Liner cut into three sections for easier laying

Technical data sheet	USB Tape 1 PAP	USB Tape 1 PAP X	USB Tape 1 PAP X3
Measurements	60 mm x 25 m		
Colour	yellow		
Glue	dispersion based acrylic solvent and plasticiser free		
Thickness	0,30 - 0,36 mm		
Glue weight	260 g/m² ± 10%		
Glue carrier material	paper with PE coating		
Covering material	silicone liner	synthetic liner divided in half	synthetic liner divided in three parts
Peel adhesion (AFERA 5001)	≥ 30 N/25 mm		
Tear resistance with elasticity	≥ 150 N/25 mm; 3-5%		
Sd value	5 m		
Recommended working temperature	from +5°C		
Working temperature (workable)	from -10°C		
Operating temperature	from -40°C to + 80°C		
Adhesion reaction time	immediate / maximum adhesion in 24 h		
UV stability	4 months		
Packaging	boxes of 10 rolls (10 x 25m)		
Storage	keep in a cool and dry place for max. 24 months		

USB Tape Reflex

Art. **02040180**

QUICK OVERVIEW: STRENGTHS

The reflective one!

Adhesive tape with a **reflective effect** specially designed for sealing the breathable membrane USB Reflex Plus and the vapour barrier DS 188 Alu.

High-performance acrylic glue, solvent free.

Guaranteed for air-, water-, wind-, sound- and vapourtightness, for interior and exterior use.

Easy and quick application.

- Aluminium sparyed PP
- Polypropylene film
- Polypropylene Non-woven fabric
- Acrylic glue
- Silicone liner

Description and use: aluminium sprayed PP adhesive tape coated with highly adhesive acrylic glue, with reflective effect for external use. This product has been specifically created for sealing the USB Reflex PLUS breathable membrane on overlaps or directly onto the lateral surfaces of windows, chimneys, vents, etc. with the purpose of providing a seal against water, air, wind, vapour and noise on interruptions in roofs and walls, without affecting the reflective ability of the surface even in the places mentioned.

Application: identify the area to be bonded. All surfaces must be dry and free from dust and grease (alternatively, use USB Primer to treat the surfaces); after cutting the desired length of tape, remove the protective liner, lay the adhesive tape onto the overlap of the surfaces and press firmly along the entire surface of the adhesive tape using the roller so that the adhesive bonds properly.

Sealing of USB Reflex Plus breathable membrane on windows

Technical data sheet	
Measurements	80 mm x 25 m
Colour	aluminium
Glue	dispersion based acrylic solvent and plasticiser free
Thickness	0,67 - 0,72 mm ± 5%
Glue weight	240 g/m² ± 10%
Glue carrier material	tape with PP surface spayed with aluminium
Covering material	brown silicone liner
Peel adhesion (AFERA 5001)	≥35 N/25 mm
Sd value	ca. 40 m
Working temperature	+5°C (recommend) / from -10°C (workable)
Operating temperature	from -30°C to +100°C
Adhesion reaction time	immediate / maximum adhesion in 24 h
UV stability	4 months
Packaging	boxes of 6 rolls (6 x 25 m)
Storage	keep in a cool and dry place for max. 24 months

USB Tape Vlies

Art. **02045800**

- Non-woven fabric in PP
- Acrylic glue
- Silicone liner

QUICK OVERVIEW: STRENGTHS

The plasterable one!

Adhesive tape in **nonwoven fabric** that can be **plastered** over for interior and exterior use.

High-performance acrylic glue, solvent free.

Ideal for connection of structures in wood with structures to be plastered.

Easy and quick application.

Description and use: professional adhesive tape in nonwoven fabric of polypropylene with highly adhesive acrylic glue, for external or internal use. It is specially designed for air and wind-tight sealing of critical points of the building envelope which need a following fine or rough plastering. Particularly indicated for the connection of wood structures to walls which will be plastered, for joining insulation to building structures (wood, masonry, cement), for covering traces in walls for the installation of cables or pipes, or in the area of frames for sealing conjunction of subframes and walls.

Application: identify the surfaces to be bonded and make sure that they are dry and free from dust and grease (alternatively, use USB Primer to treat the surfaces); after cutting the strip to the desired length, remove the protective liner and apply the adhesive strip to the overlap of the required surfaces and press firmly along the entire adhesive tape using the roller so that the adhesive bonds properly. At this point, the tape is ready to be plastered over.

Technical data sheet	
Measurements	50 mm x 25 m
Colour	grey
Glue	dispersion based acrylic solvent and plasticiser free
Thickness	0,55 - 0,60 mm
Glue weight	240 g/m² ± 10%
Glue carrier material	Non-woven fabric in PP
Covering material	silicone liner
Peel adhesion (AFERA 5001)	≥ 30 N/25 mm
Tear resistance with elasticity	≥ 50 N/25 mm; 40%
Sd value	ca. 9 m
Recommended working temperature	from +5°C
Working temperature (workable)	from -10°C
Operating temperature	from -30°C to +100°C
Adhesion reaction time	immediate / maximum adhesion in 24 h
UV stability	3 months
Packaging	boxes of 12 rolls (12 x 25 m)
Storage	keep in a cool and dry place for max. 24 months

USB Tape 2 AC

Art. 20 mm ***02040220***
Art. 50 mm ***02040250***

QUICK OVERVIEW: STRENGTHS

The double-faced one!

Double-faced adhesive tape for sealing all overlaps of membranes; UV stable.

High-performance acrylic glue, solvent free.

Guaranteed to impede the passage of air and wind at overlaps of membranes.

Easy and quick application.

- Acrylic glue
- Polyester mesh
- Acrylic glue
- Silicone liner

Sealing of USB Riwega membranes on roof and/or wall overlaps

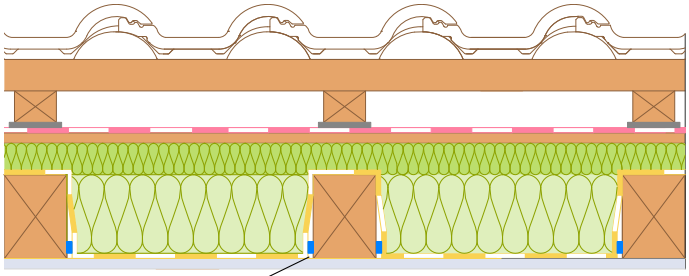
Description and use: double-sided acrylic glue adhesive tape with highly adhesive polyester reinforcing mesh layer, specially created for sealing USB Riwega breathable membranes and vapour control layers and barriers between two layers in overlapping areas to create a continuous surface that prevents the passage of air and wind through the different layers.

Application: identify the surfaces of the sheets to be joined together and make sure that they are dry and dust-free; next, lay an adhesive surface on the underside of the overlap, remove the protective liner, lay the upper side of the overlap onto the adhesive tape and press firmly along the entire surface of the adhesive tape using the roller so that the adhesive bonds properly.

Technical data sheet	USB Tape 2 AC 20	USB Tape 2 AC 50
Measurements	20 mm x 50 m	50 mm x 50 m
Colour	transparent	
Glue	dispersion based acrylic solvent and plasticiser free	
Thickness	0,22 - 0,24 mm	
Glue weight	220 g/m² ± 10%	
Glue carrier material	polyester mesh	
Covering material	silicone liner	
Recommended working temperature	from +10°C +30°C	
Operating temperature	from -30°C to +120°C	
Peel adhesion (AFERA 5001)	≥25N/25 mm	
Adhesion reaction time	immediate / maximum adhesion in 24 h	
Packaging	boxes of 12 rolls (12 x 50 m)	boxes of 5 rolls (5 x 50 m)
Storage	keep in a cool and dry place for max. 24 months	

USB Tape 2 AC BOLD

Art. **02040210**



USB Tape 2 AC BOLD

Description and use: highly adhesive acrylic mass on polyester mesh; viscoelastic, extra thick, designed specifically for fixing and sealing membranes on any type of building surface (wood, masonry, plaster, cement, metal). USB Tape 2 AC BOLD guarantees airtightness at the junctions of membranes and structures.

Application: identify the surfaces of the sheets to be joined together and make sure that they are dry and dust-free (if necessary, use USB Primer to treat the working surfaces); next, apply the adhesive mass to the rigid surface, remove the protective liner and adhere the Riwega membrane to the mass and press the complete surface of the adhesive mass with the appropriate roller to ensure good bonding.

Fixing a vapour barrier to a wooden surface

QUICK OVERVIEW: STRENGTHS

The reinforced, double-faced one!

Thicker layer of acrylic glue on adhesive tape ideal for the sealing of membranes to any type of building structure.

High-performance acrylic glue, solvent free, with **viscoelastic** and **thixotropic effects**.

Ideal for taping vapour barriers to wood beams or wall structures.

Guaranteed to impede the passage of air and wind.

Technical data sheet	
Measurements	10 mm x 12 m
Colour	transparent
Glue	dispersion based acrylic solvent and plasticiser free
Thickness	1,5 - 2,0 mm
Glue carrier material	polyester mesh
Covering material	silicone liner
Recommended working temperature	from +5°C
Working temperature (workable)	from -10°C
Operating temperature	from -30°C to +80°C
Peel adhesion (AFERA 5001)	≥ 25N/25 mm
Adhesion reaction time	immediate
Packaging	boxes of 10 rolls (10 x 12 m)
Storage	keep in a cool and dry place for max. 24 months

USB Tape 2 BU

Art. **02040315**

QUICK OVERVIEW: STRENGTHS

The most performing adhesive!

Double-faced tape in butyl glue with **super-strong adhesion**, solvent free.

Ideal for attaching membranes to **any type of building structure**; guaranteed adhesion **even in the case of movement** of the supporting structure.

Guaranteed to impede the passage of air and wind at the junctions of membranes to structures.

Description and use: butyl glue self-adhesive tape; 15 mm wide and 2 mm thick. Solvent free with high adhesive strength and elasticity. Bonds to any building material (bricks, mortar, plaster, concrete, wood, OSB etc.). Used to fix Riwega membranes on any type of surface (bricks, plaster, concrete, wood, rigid panels, etc.) and provides a guaranteed seal even in case of movement (expansion and/or contraction) of the supporting material.

Application: identify the surfaces to be bonded and make sure that they are dry and free from dust and grease (alternatively, use USB PRIMER to treat the surfaces); next, lay the adhesive tape on the hard surface, remove the protective liner, lay the Riwega membrane onto the adhesive tape and press firmly along the entire surface of the adhesive tape using the roller so that the adhesive bonds properly.


Sealing between membrane and wood


Sealing between membrane and masonry

Technical data sheet	
Measurements	20 mm x 25 m
Colour	black
Glue	butyl
Thickness	1,5 mm
Working temperature	from +5°C to +30°C
Operating temperature	from -40°C to +100°C
Specific weight (DIN EN ISO 10563)	1,25 g/cm³
Viscosity (DIN EN ISO 7390)	stable until +100°C (with thickness <2 mm)
Hardness (Shore 00, DIN 53505)	ca. 30
Compressive strength (DTU 39.4)	>0,03 N/mm²
Solid content (DIN EN ISO 10563)	>99%
Permeability to water vapour (DIN 53122)	average 0,15 g/m² / 24 h
Packaging	boxes of 14 rolls (14 x 25 m)
Storage	store in a cool, dry place at ca. 20°C away from direct sunlight for max. 12 months

USB Tape 2 BU/CO

Art. **02040306**

Description and use: butyl glue 6 mm diameter self-adhesive cord, solvent-free, highly adhesive and highly elastic. Bonds to any building material (bricks, mortar, plaster, concrete, wood, OSB etc.). Used for fixing Riwega membranes on any type of surface (bricks, plaster, concrete, wood, rigid panels, etc.) and provides a guaranteed seal even in case of movement (expansion and/or contraction) of the supporting material. Can be also used for sealing joints in panel system wood houses between walls or between walls and floor.

QUICK OVERVIEW: STRENGTHS

Ideal for wood houses!

Butyl adhesive cord with a circular section, ideal for sealing junctions in wood houses.

High-performance butyl adhesive, solvent free, with guaranteed adhesion even in the case of movement of the supporting structure.

Guaranteed to impede the passage of air and wind at the junctions of membranes with the structure.

Application: identify the surfaces to be bonded and make sure that they are dry and free from dust and grease (alternatively, use USB Primer to treat thesurfaces); next, lay the adhesive cord on the hard surface, remove the protective liner, lay the Riwega membrane onto the adhesive cord and press firmly along the entire surface of the adhesive tape using the roller so that the adhesive bonds properly. Follow the same procedure to seal wooden walls, applying the cord between walls and/or between wall and floor (see illustration).

Sealing of the joint between two wooden walls and between walls and wooden floor using USB Tape 2 BU/CO

Technical data sheet	
Measurements	Ø 6 mm x 7 m
Colour	grey
Glue	butyl
Working temperature	from +5°C to +30°C
Operating temperature	from -40°C to +100°C
Specific weight (DIN EN ISO 10563)	1,6 g/cm³
Viscosity (DIN EN ISO 7390)	stable
Hardness (Shore 00, DIN 53505)	ca. 45
Compressive strength (DTU 39.4)	ca. 0,08 N/mm²
Packaging	boxes of 22 rolls (22 x 7 m)
Storage	store in a cool, dry place at ca. 20°C away from direct sunlight for max. 12 months

USB Coll 150 X

Art. **02044151**

QUICK OVERVIEW: STRENGTHS

The universal one for every need!

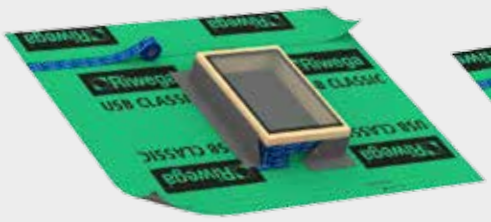
Butyl adhesive tape reinforced with a film in semi-flexible polyethylene, solvent free.

Guaranteed for air-, water- and windtightness of all linear interruptions in correspondence with roof windows, chimneys and other openings.

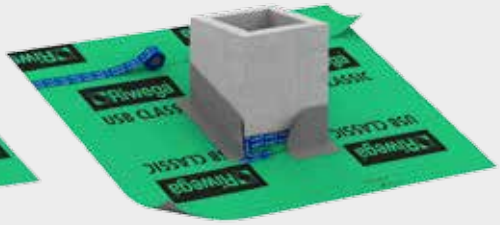
Perfect adhesion on **all building materials**.

Description and use: butyl adhesive strip, 150 mm wide, 2 mm thick. Its top surface is coated with a flexible polyethylene film, while the bottom layer is protected by a liner cut lengthwise through the middle for quick and easy laying and perfect fit around interruptions, whether these are angled or rounded. Used for bonding all connections of highly breathable USB Riwega membranes to interruptions such as roof windows, chimneys or other openings where it is necessary to fold the waterproofing material to guarantee air and wind tightness and waterproofing.

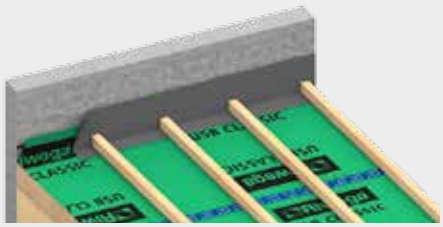
Application: identify the surfaces to be bonded and make sure that they are dry and free from dust and grease (alternatively, use USB PRIMER to treat the surfaces); after cutting the strip to the desired length, depending on the section you wish to waterproof, remove one half of the pre-cut protective liner and apply the tape on one of the two surfaces of the corner to be waterproofed; press firmly using the roller so that the entire strip adheres perfectly to the surface, remove the second half of the pre-cut protective liner, apply the strip onto the surface opposite the waterproofed corner and press firmly again using the roller so that the entire strip adheres perfectly to the second surface.



Complete sealing of a window



Complete sealing of a chimney



Sealing on plaster and masonry

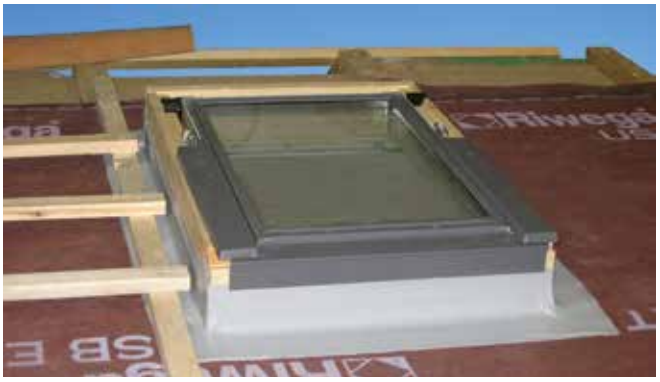
1. Cut USB Riwega breathable membrane

2. Lay USB Coll 150 X tape on bottom part of the window

3. Remove liner from top part first and then from the bottom part

4. Apply USB Coll 150 X on both outer sides of the window

5. Lay USB Coll 150 X on the upper part of the window



6. Laying complete

Technical data sheet	
Measurements	150 mm x 15 m
Colour	grey
Material	butyl/film LDPE
Thickness	2 mm
Weight (DIN EN ISO 10563)	ca. 1,5 g/cm³ (3000 g/m²)
Operating temperature	from +5 to + 30 °C
Resistance temperature (DIN 52455-4)	from -40 to +100 °C
Viscosity (DIN EN ISO 7390)	stable
Hardness (Shore 00, DIN 53505)	ca. 45
Compressive strength (DTU 39.4)	>0,08 N/mm²
Solid content (DIN 52451)	>99 %
Breathability to water vapour (DIN 53122)	0,15 g/m²/24 h
UV stable	3 months
Tear resistance of the film (ISO 527-3/2/500)	>130%
Elongation at break of the film (ISO 527-3/2/500)	>300%
Emission	very low according to EMICODE®
Packaging	box of 2 rolls (2 x 15 m)
Storage	store in a dry place at ca.20°C, away from direct sunlight for max. 12 months

USB Coll Flexi

Art. **02044100**

QUICK OVERVIEW: STRENGTHS

The most flexible one!

Universal butyl adhesive tape reinforced with a film in highly elastic polyethylene, solvent free.

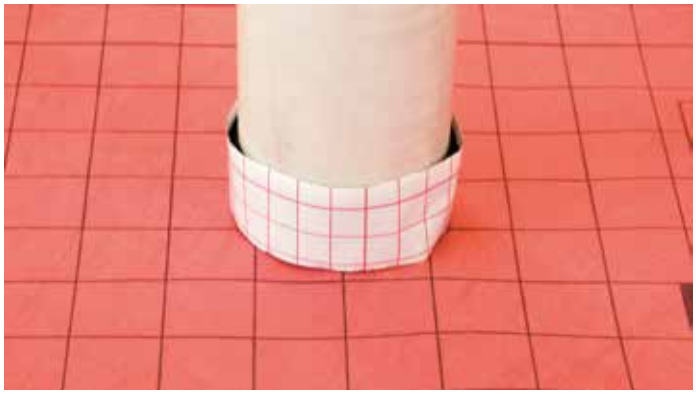
Guaranteed for water-, air- and windtightness of membranes used in the presence of vents, equipment or tubes.

Perfect adhesion on **all building materials**.

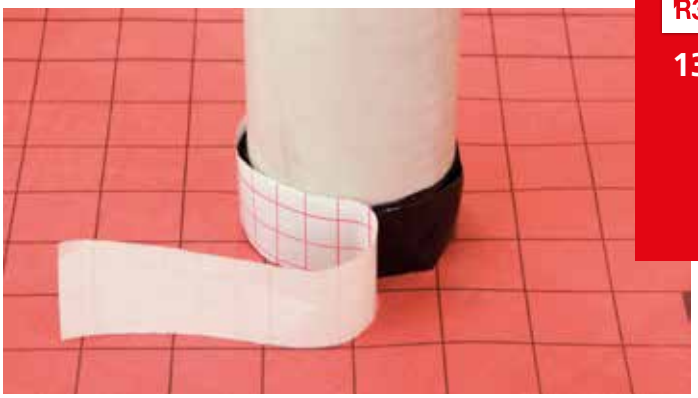
- Highly flexible polyethilene film
- Butyl glue
- Silicone liner

Description and use: butyl adhesive tape, in 100 mm width and 1.5 mm thickness; the upper surface is coated with a highly elastic polyethylene film (approx. 300% extension) and the bottom layer is protected by a removable pre-cut silicone liner. For sealing all interruptions such as vents, cables, wiring systems or pipes on highly breathable USB Riwega membranes against water, air and wind which require a highly flexible tape to achieve a perfect seal.

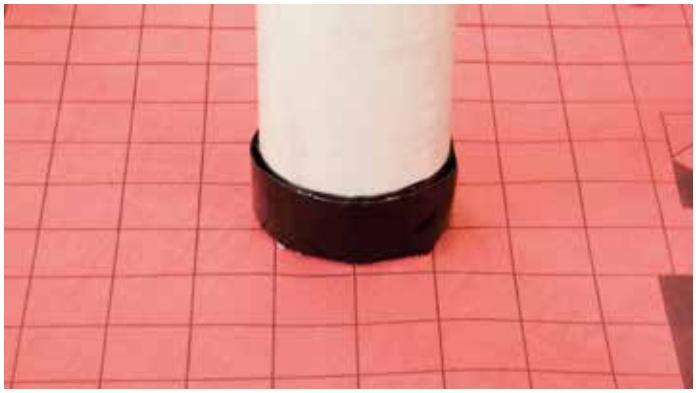
Application: identify the surfaces to be bonded and make sure that they are dry and free from dust and grease (alternatively, use USB PRIMER to treat the surfaces); after cutting the strip to the desired length, remove half the protective liner and apply the adhesive strip to the protuberance to be sealed, then remove the other half of the liner and press to the membrane. Press firmly along the entire adhesive tape using the roller so that the entire strip bonds perfectly.



1. Glue half the USB Coll Flexi onto the protuberance.



2. Remove the remaining protective liner.



3. The adhesive surface is completely free.

4. Model the rest of the USB Coll Flexi.

5. Press firmly onto the Riwega USB membrane with the roller.

6. Press firmly onto the protuberance with the roller.

Technical data sheet	
Measurements	100 mm x 15 m
Colour	black
Material	butyl / highly flexible film LDPE
Thickness	1,5 mm
Operating temperature	from +5°C to +30°C
Resistance temperature (DIN 52455-4)	from -40°C to +90°C
Weight (DIN EN ISO 10563)	ca. 1,4 g/cm³ (2100 g/m²)
Viscosity (DIN EN ISO 7390)	stable
Hardness (Shore 00, DIN 53505)	ca. 40
Compressive strength (DTU 39.4)	>0,04 N/mm²
Elongation (film)	max. 300%
Solid content (DIN 10563)	> 99%
Coefficient of vapour passage resistance μ (DIN EN ISO 12572)	766000
UV stability	3 months
Emission	very low according to EMICODE®
Packaging	boxes of 4 rolls (4 x 15 m)
Storage	store in a dry place at ca.20°C, away from direct sunlight for max. 24 months

USB Coll 50 / 80 / 150

Art. 50 mm ***02044050***
Art. 80 mm ***02044080***
Art. 150 mm ***02044150***

QUICK OVERVIEW: STRENGTHS

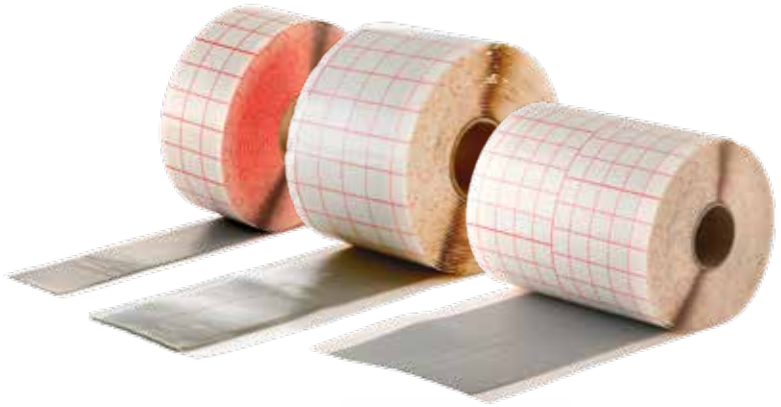
The best quality/price ratio!

Universal adhesive butyl strip reinforced with film in semi-flexible polyethylene, solvent free.

Variety of measurements and thicknesses for multiple fields of use.

Guaranteed water-, air-, and windtightness of all interruptions in correspondence with roof windows, chimneys and other openings.

Perfect adhesion to **all types of building materials**.



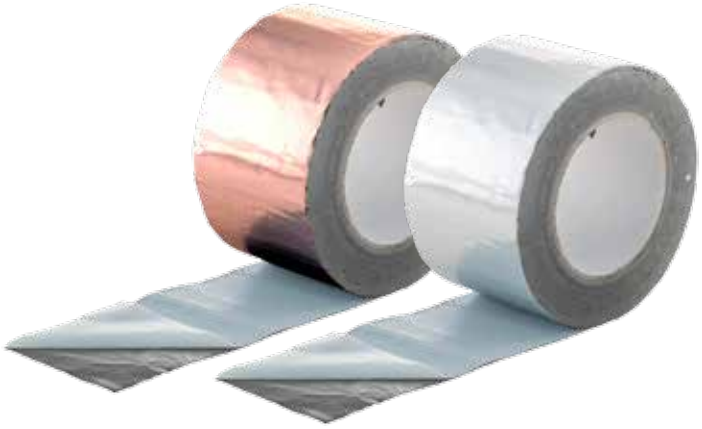
Description and use: butyl adhesive tape, in widths of 50/80/150 mm and 1 or 2 mm thicknesses; the upper surface is coated with flexible polyethylene film and the bottom layer is protected by a silicone liner. For sealing all interruptions on highly breathable USB Riwega membranes such as roof windows, chimneys or other openings against water, air and wind.

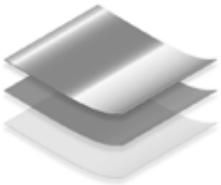
Application: identify the surfaces to be bonded and make sure that they are dry and free from dust and grease (alternatively, use USB PRIMER to treat the surfaces); after cutting the strip to the desired length, remove the protective liner and apply the adhesive strip to the overlap of the surfaces and press firmly along the entire adhesive tape using the roller so that the entire strip bonds perfectly.

Technical data sheet	USB Coll 50	USB Coll 80	USB Coll 150
Measurements	50 mm x 15 m	80 mm x 15 m	150 mm x 15 m
Colour	grey		
Material	butyl/film LDPE		
Thickness	1 mm	2 mm	1 mm
Operating temperature	from +5°C to +30°C		
Resistance temperature (DIN 52455-4)	from -40°C to +100°C		
Weight (DIN EN ISO 10563)	ca. 1,5 g/cm³ (1500 g/m²)	ca. 1,5 g/cm³ (3000 g/m²)	ca. 1,5 g/cm³ (1500 g/m²)
Viscosity (DIN EN ISO 7390)	stable		
Hardness (Shore 00, DIN 53505)	ca. 45		
Compressive strength (DTU 39.4)	>0,08 N/mm²		
Solid content (DIN EN ISO 10563)	>99%		
Breathability to water vapour (DIN 53122)	0,15 g/m² / 24h		
UV stability	3 months		
Film tear resistance (ISO 527-3/2/500)	>130%		
Elongation at film break (ISO 527-3/2/500)	>300%		
Emission	very low according to EMICODE®		
Packaging	boxes of 12 rolls (12 x 15 m)	boxes of 4 rolls (4 x 15 m)	boxes of 4 rolls (4 x 15 m)
Storage	store in a dry place at ca. 20°C, away from direct sunlight for max. 12 months		

USB Coll CU/ALU

Art. CU 75 ***02044075***
Art. ALU 75 ***02044073***
Art. ALU 150 ***02044074***





- Aluminium or copper film
- Butyl glue
- Silicone liner

QUICK OVERVIEW: STRENGTHS

The only one in aluminium or copper!

Butyl tape covered in aluminium or copper, resistant to atmospheric agents and UV rays.

Ideal for invisible repair of possible breaks in sheet metal.

Particularly suited for sealing of solar or photovoltaic panels or in all situations of permanent exposure to UV rays.

Perfect adhesion to **all building materials**.

Description and use: adhesive strip composed of a layer of self-adhesive cold butyl mastic, a top aluminium and/or copper film resistant to atmospheric agents and UV rays and a bottom protective film pre-treated with silicone substances which make it easy to unstick before use. For sealing all interruptions on highly breathable USB Riwega membrane such as roof windows, chimneys, vents, etc. against water, air, wind and vapour where it is necessary to leave the coloured aluminium or copper surface visible and/or to repair any breaks in copper sheeting. Particularly recommended for sealing solar and photovoltaic panels.

Application: identify the surfaces to be bonded and make sure that they are dry and free from dust and grease (alternatively, use USB Primer to treat the surfaces); remove the bottom film layer, position the strip making sure not to create any air bubbles and press firmly along the entire adhesive tape using the roller. Leave an overlap of at least 5 cm in the overlaps between two strips.

Sealing of the joints between solar or photovoltaic panels

Technical data sheet	USB Coll CU 75	USB Coll ALU 75	USB Coll ALU 150
Measurements	75 mm x 10 m	75 mm x 10 m	150 mm x 10 m
Colour	copper	aluminium	aluminium
Material	butyl/copper	butyl/aluminium	butyl/aluminium
Thickness	1 mm	0,6 mm	0,6 mm
Operating temperature	from +0°C to +40°C		
Resistance temperature (DIN 52455-4)	from -30°C to +90°C		
Tensile strength MD/CD* (EN 12311-1)	180/190 N/50mm		
Elongation longitudinal MD/CD* (EN 12311-1)	15/20 %		
180° Peel Adhesion (ASTM D 1000)	20 N/cm		
Probe Tack (ASTM D 2979)	8.0 N		
Vertical sliding (ISO 7390)	0 mm		
Packaging	boxes of 8 rolls (8 x 10 m)	boxes of 8 rolls (8 x 10 m)	boxes of 4 rolls (4 x 10 m)
Storage	store in a dry place at ca. 20°C, away from direct sunlight for max. 12 months		

*MD = longitudinal CD = transversal

AIR Coll 75 X / 150 X

Art. 75 X ***02203207***
Art. 150 X ***02203215***

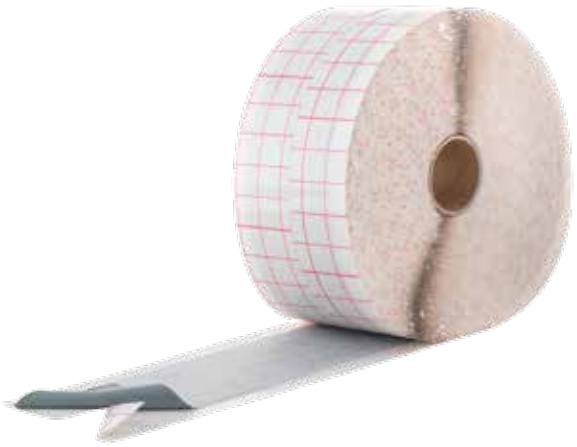
QUICK OVERVIEW: STRENGTHS

The plasterable one!

Butyl adhesive tape with a **plaster-ready surface** and a longitudinally divided protective liner.

For water, air and wind proofing of the underside of window and door systems under the sill.

Strong adhesion to all building materials, solvent free.



- Polypropylene non-woven fabric
- Butyl glue
- Silicone liner

Description and use: butyl adhesive tape in 75 or 150 mm widths and 0.9 mm thickness, with top layer coated in a non-woven polypropylene fabric that can be plastered over, and a bottom layer protected by a silicone paper liner. The liner is pre-cut lengthwise through the middle to lay the strip easily and make it fit perfectly around interruptions, whether these are angled or rounded. For sealing all interruptions on highly breathable USB Riwega membranes against water, air and wind, such as roof windows, chimneys or other openings where it is necessary to fold the waterproofing material and/or smooth or plaster the surface. AIR Coll 150 X is the ideal product for creating an airtight seal around the inside of roof windows, installed inside an opening made after installing the roof package, causing a discontinuity in the vapour layer.The tape is applied by creating a continuity of the airtight seal by joining the roof's internal finishing (matchboard, plasterboard, etc.) to the window structure using the adhesive strip AIR Coll 150 X. Where there are tile elements covered in cement on the pitch, AIR Coll 150 X does not only provide an airtight seal but can also be plastered over, to achieve a perfectly smooth surface. AIR Coll 75 or 150 X can also be used whenever there is a need to achieve waterproofing and/or airtightness in places that will later be plastered over.

Application: identify the surfaces to be bonded and make sure that they are dry and free from dust and grease (alternatively, use USB Primer to treat the surfaces); after cutting the strip to the desired length, depending on the section you wish to waterproof, remove one half of the pre-cut protective liner and apply the strip on one of the two surfaces of the corner to be waterproofed; press firmly using the roller so that the entire strip adheres perfectly to the surface, remove the second half of the pre-cut protective liner, apply the strip onto the surface opposite of the waterproofed corner and press firmly again using the roller so that the entire strip adheres perfectly to the second surface.

Sealing of a chimney with AIR Coll 150 X with the possibility of plastering over

Sealing with AIR Coll 75 plaster-ready tape between wooden beam and brickwork.

Use when installing roof windows - internal part

Wooden roof

1. A window opening made in a pre-existing roof package creates significant problems of insulation, airtightness and condensation.

2. Applying AIR Coll 150 X to seal the internal perimeter of the window from the matchboard to the floor avoids the problems described. This will subsequently be covered in wood.

Hollow-core concrete roof

1. If the opening is made in a hollow-core concrete roof there is a dual problem of sealing and backing for the plaster.

2. AIR Coll 150 X can be plastered over, providing a solution for both problems.

Use when laying subframes for door and window frames: AIR Coll 150 X can also be used for waterproofing and providing wind-tightness on the external support of the subframe on the underside of a door or window frame. In this case, the butyl adhesive creates a waterproofing effect preventing water and wind infiltration from the base of the door or window frame, while the non-woven polypropylene fabric forms a base on which to apply glue, foam or mortar for installing the exterior windowsill.

Three different types of application for sealing and waterproofing the underside of the subframe laid on masonry or wooden walls.

Technical data sheet	AIR Coll 75 X	AIR Coll 150 X
Measurements	75 mm x 25 m	150 mm x 25 m
Colour	grey	
Material	PP/butyl/liner PE (divided in half)	
Thickness	1 mm	
Weight (DIN EN ISO 10563)	ca. 1,50 g/cm³	
Operating temperature	from +5 to + 30 °C	
Resistance temperature (DIN 52455-4)	from -40 to +100 °C	
Viscosity (DIN EN ISO 7390)	stable	
Compressive strength (DTU 39.4)	>0,08 N/mm²	
Hardness (Shore 00, DIN 53505)	ca. 45	
Solid content (DIN EN ISO 10563)	>99 %	
Breathability to water vapour (DIN 53122)	0,15 g/m²/24 h	
Emission	very low according to EMICODE®	
Packaging	box of 2 rolls (2 x 25 m)	box of 1 rolls (1 x 25 m)
Storage	store in a dry place at ca. 20°C, away from direct sunlight for max. 12 months	

USB Coll BIT 250 / 500

Art. 250 **02044250**
Art. 500 **02044500**

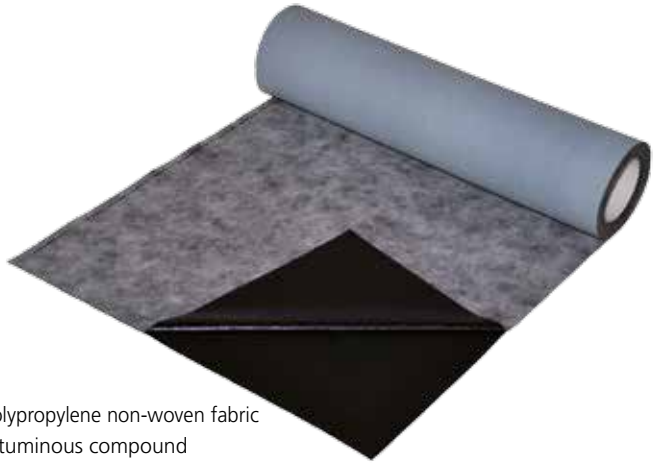
QUICK OVERVIEW: STRENGTHS

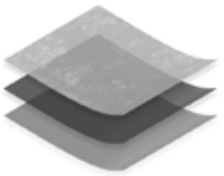
The self-adhesive strip against rising damp!

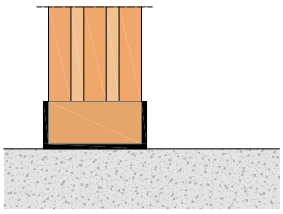
Bituminous adhesive strip for **waterproofing of prefabricated wood panel walls** where they rest on concrete surfaces of the house foundation.

Can be **applied cold** under walls or beams, adheres to all building materials, prevents rising damp.

Optimum mechanical resistance.







Description and use: Polypropylene non-woven fabric strip coated with bituminous adhesive, protected by a silicone liner, available in widths of 250 or 485 mm, used for waterproofing prefabricated wooden panel walls where they meet the concrete surface of a house's foundations. Since it can be folded up on both lateral wall surfaces, it maintains its waterproofing ability even when the wall meets screed, concrete topping, external earth embankments or drainage gravel.

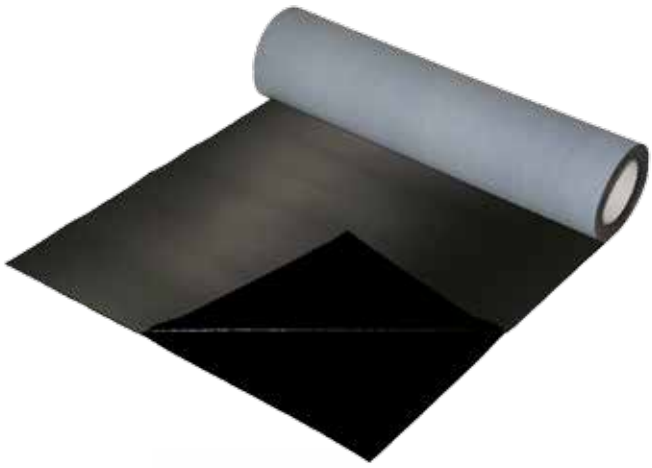
Application: position the wood panel wall with the bottom facing upwards; lay the USB Coll BIT strip centring it exactly on the thickness of the wall base with the adhesive part in contact with the wood surface, leaving two edges of tape of the same size to cover the two wall surfaces.Remove the silicone liner and lay the adhesive bitumen carefully and precisely on the wall's wooden surface. Press firmly using the roller along the entire surface of the strip so that the entire strip adheres perfectly to the surface.

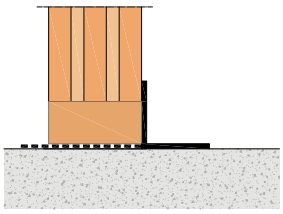
Waterproofing of cill beam

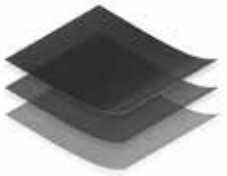
Technical data sheet	USB Coll BIT 250	USB Coll BIT 500
Measurements	250 mm x 15 m	485 mm x 15 m
Colour	grey/black	
Material	PP.Bitumen	
Thickness	1 mm	
Specific weight	775 g/m²	
Longitudinal tensile strenght (EN 12311-1)	168,5 N	
Transversal tensile strenght (EN 12311-1)	120 N	
Longitudinal elongation at break (UNI EN 12310-1)	76,5 %	
Transversal elongation at break (UNI EN 12310-1)	135 %	
Working temperature	from +5°C to +40°C	
Operating temperature	from -20°C to +80°C	
Ignitability class (DIN 4102)	B2	
Packaging	boxes of 2 rolls (2 x 15 m)	boxes of 1 roll (1 x 15 m)
Storage	store in a cool and dry place at ca. 20°C, away from direct sunlight; for max. 12 months	

USB COLL BIT - HDPE

Art. **02044503**







QUICK OVERVIEW: STRENGTHS

The best mechanical resistance!

Highly resistant adhesive bituminous strip for waterproofing of wood walls and their **protective and anticorrosive covering**.

Can be **applied cold**, simple and quick application.

Optimum **dielectric strength** and **high deformability**.

Waterproofing of X-Lam wall to floor

Description and use: self adhesive strip 500 mm wide, 2 mm thick, composed of a bituminous compound coated on a cross laminated HDPE polyethylene film 100 µm Valéron® that gives the tape excellent mechanical performance; the bottom layer is protected by a layer which is removed during the laying stage. The tape has been researched and developed as waterproof and anti-corrosive.

Application: it is essential that the laying surface is clean and dry and free from grease, dirt or dust. If there is a lot of corrosion, or where surfaces are porous or brittle, applying a coat of USB Primer BIT +/- 250 g/m² is recommended. Remove the release layer, position the tape and press firmly using the provided roller along the entire surface of the strip so that the entire strip adheres perfectly to the surface.

Technical data sheet	
Measurements	500 mm x 10 m
Colour	black
Material	bitumen / film HDPE
Thickness	1,5 mm (1,4 mm Bituminous compound + 100µ film)
Application temperature	from +0°C to +50°C
Operating temperature	from -40°C to +100°C
Weight (DIN EN ISO 10563)	ca. 1500 g/m²
Tensile strength (EN 12311-1)	longitudinal 215 N/50mm - transversal 220 N/50mm
Elongation at break (EN 12311-1)	longitudinal 324% - transversal 238%
Tear resistance (EN 12310-1)	longitudinal 125 N - transversal 65 N
Impact strength (UNI EN 12068)	>8 J
Tape/tape peel resistance (UNI EN 12068)	110 N/50mm
Creep resistance (UNI EN 12068)	0,08 N/mm²
UV stability	3 months
Reaction to fire class	E (EN ISO 11925-2; EN 13501-1) / B2 (DIN 4102)
Packaging	boxes of 1 roll (1 x 10 m)
Storage	store in a dry place at ca. 20°C, away from direct sunlight; for max. 12 months

USB Coll Solar BIT

Art. **02044501**

QUICK OVERVIEW: STRENGTHS

The ideal one for integrated photovoltaic panels!

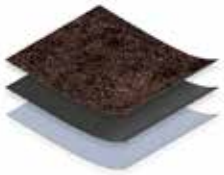
Self-adhesive bituminous strip for waterproofing **under integrated photovoltaic panels**.

Compatible with all surfaces.

Antislip, self-adhesive, can be **applied cold** without use of flames and with excellent **puncture resistance**.

Guaranteed against ageing.

Use underneath PV panels: **YES**



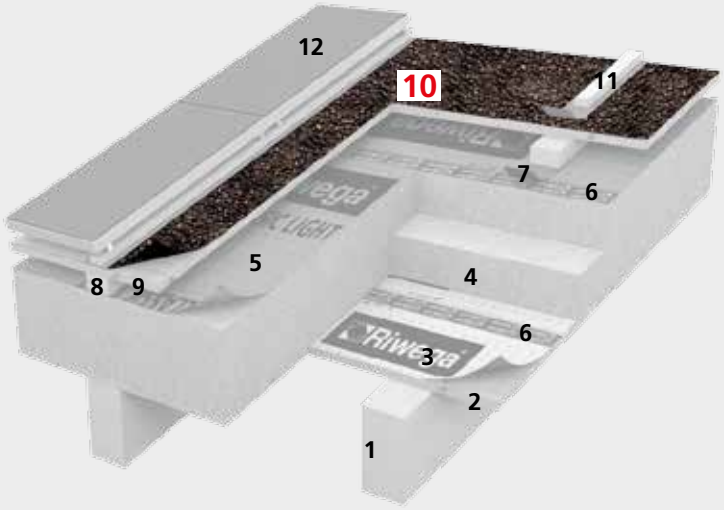
- Slip-proof aluminium film
- Bituminous compound
- Removable protective liner

Description and use: USB Coll Solar BIT is a self-adhesive bituminous waterproof sheet composed of a thin self-adhesive bituminous compound protected with a reinforced slip-proof aluminium film. This particular type of membrane has been researched and developed for waterproofing underneath photovoltaic panels in order to guarantee a completely waterproof seal in the event that the entire system is integrated.

Preparation of the surfaces and laying: USB Coll Solar BIT is compatible with all the types of surfaces normally used in buildings, including concrete and pre-existing membranes. All surfaces on which USB Coll Solar BIT is to be laid must be dry, clean, smooth and free from impurities. Dirty or damaged surfaces must be cleaned and repaired. If the laying surface is porous or particularly rough (for example, a concrete topping) apply a layer of USB Primer BIT Riwega (+/- 250 g/m²) following the instructions provided (incorrect application of the Primer or failure to observe the times and methods of use will adversely affect the membrane's performance).To lay USB Coll Solar BIT, first spread the rolls out from the lowest point, upwards, taking care to position the upper membrane over the lower one.The membrane layers must overlap by at least 6/8 cm and by at least 15 cm at the top. After they have been laid, press firmly on the entire membrane, paying particular attention to corners, edges, joins and overlaps, for which it is recommended to use the roller.

Important: the qualities and characteristics of the materials remain unaltered for a long period of time; however, it is advisable to use them within 12 months. They should be stored in a dry, covered place at a temperature between +5°C and +40°C. USB Coll Solar BIT is not suitable for areas with pedestrian or vehicle traffic.

Positioning of USB Coll Solar BIT



1. Supporting structure
2. Planking
3. **USB Micro** vapour control layer
4. Insulation
5. **USB Classic Light** breathable membrane
6. **USB Tape 1 PE** adhesive tape or **TOP SK** version
7. **USB Tip KONT** nail sealing tape
8. Ventilation counter batten
9. Second planking or OSB board
10. **USB Coll Solar BIT membrane**
11. Profile of the support for photovoltaic panels
12. Photovoltaic panels

The surface of the USB Coll Solar BIT in reinforced aluminium is slip-proof thanks to the polyester filaments covering it.

The bituminous compound makes the USB Coll Solar BIT membrane self-adhesive, for quick and easy laying and ensures the product's mechanical stability.

Technical data sheet	
Measurements	1,05 m x 25 m
Colour	lead (brown/grey)
Material	bitumen/aluminium
Thickness (EN 1849-1)	1,2 mm
Weight	1200 g/m^2
Tensile strenght (EN 12311-1)	longitudinal> 180 N/50 mm - transversal> 190 N/50 mm
Elongation at break (EN 12311-1)	longitudinal> 15% - transversal > 20%
Static loading resistance (EN 12730)	met.A 15 Kg - Met. B 20 Kg
Tear resistance (EN 12310-1)	longitudinal 70 N - transversal 70 N
Peel resistance (EN 12316-1)	35 N/50 mm
Watertightness (EN 1928)	≥ 60 kPa
Coefficient of vapour diffusion (EN 1931)	Sd ≥ 1500 m
Coefficient of radon gas transmittance	0,47 x 10^{-9} m/s
Permeability to radon gas	0,56 x 10^{-12} m^2/s
Permeability to methane gas	< 5 cc/m^2 x 24h x atm
Application temperature	+5°C / +45°C
Operating temperature	-40°C / +80°C
Ignitability classification (DIN 4102)	B2
Reaction to fire class (EN ISO 11925-2; EN 13501-1)	E
Packaging	boxes of 1 roll (26,25 m^2)
Storage	store in a dry place at temperatures from +5°C to +40°C; for max. 12 months

ATTENTION!

The fact that the entire bottom layer of the USB Coll Solar BIT membrane is coated with bituminous adhesive means that it is a vapour barrier and therefore, when it is laid on a breathable membrane you need to make sure that there is a ventilation chamber underneath it (for example a second planking).

USB Coll Radon BIT

Art. **02044502**

QUICK OVERVIEW: STRENGTHS

The security against radon gas!

Self-adhesive bituminous strip, waterproof and protected by a reinforced aluminium film, constitutes a **total barrier against vapour, radon and methane**.

Highly tolerant of contact with soil, fresh cement and other alkalines in general; because of this, it is suitable for waterproofing cellars and underground garages.

Can be **applied cold** with excellent **puncture resistance**.

RADON Riwega STOP

- Alkali resistant PE protective film
- Aluminium film
- Bituminous compound
- Removable protective liner

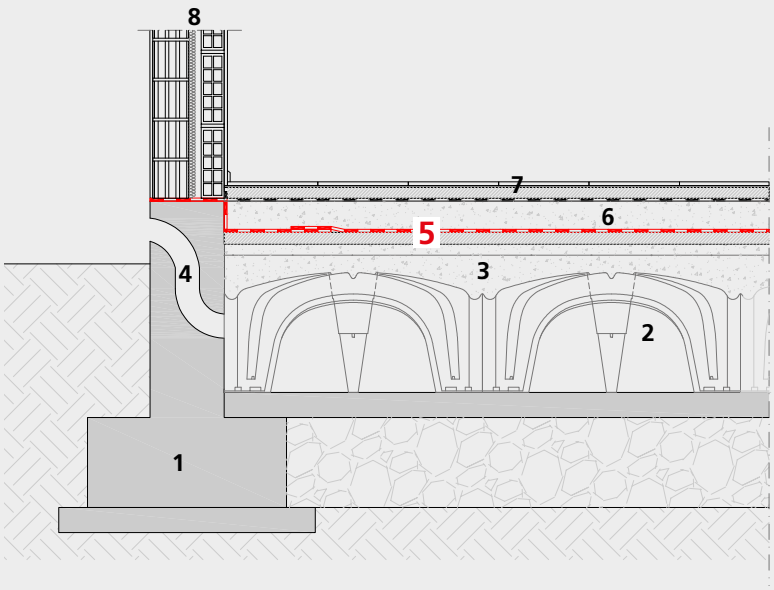
Description and use: USB Coll Radon BIT is a self-adhesive bituminous waterproof sheet and total vapour and gas barrier, composed of a thin bituminous self-adhesive compound, protected by a reinforced aluminium film. This membrane, designed as a vapour and gas barrier, withstands contact with earth, fresh concrete and alkali in general very well. It is therefore ideal for all waterproofing applications of technological premises below ground level, and underground garages and cellars.

Preparation of the surfaces and laying: All surfaces on which USB Coll Solar BIT is to be laid must be dry, clean, smooth and free from impurities. Dirty or damaged surfaces must be cleaned and repaired. If the laying surface is porous apply a layer of USB Primer BIT Riwega (+/- 250 g/m²). The use of USB Primer BIT is advised and instructions should be followed since the incorrect application of the Primer or failure to observe the times and methods of use will adversely affect the membrane's performance. First spread the rolls out from the lowest point, upwards, taking care to position the upper membrane over the lower one. The membrane layers must overlap by at least 6/8 cm on the sides and by at least 15 cm at the top. After they have been laid, press firmly on the entire membrane, paying particular attention to corners, edges, joins and overlaps. The membrane has an external polyester reinforced film and should not be exposed to UV rays directly for long periods of time.

Preparation of the surface using USB Primer BIT

Fixing USB Coll Radon BIT barrier against radon gas

Positioning of USB Coll Radon BIT



1. Foundations
2. Crawl space
3. Casting in reinforced concrete
4. Ventilation pipe
5. **USB Coll Radon BIT membrane**
6. Screed
7. Flooring layers
8. Perimeter masonry

What is radon? Radon is a gas which is formed by the disintegration of uranium, which gives rise to other radioactive elements and lead. These elements are found in nature, in water and in building materials. The infiltration of radon into houses varies considerably depending on climate and season. The concentration of radon in houses is often higher in winter than in summer. In fact, as a result of heating, the building acts as a vacuum: the difference in pressure between warm and damp rooms in contact with the ground attracts radon through the walls and the foundations of the building. If rooms are not aired, the concentration of radon inside the home may reach levels which are harmful to health, particularly on the lower floors. The health risks are due to the fact that this gas gives rise to other radioactive elements which can damage the respiratory tract.

Technical data sheet	
Measurements	1 m x 25 m
Thickness (EN 1849-1)	1,2 mm
Colour	grey aluminium
Weight (EN 1849-2):	ca. 1200 g/m^2
Material	bitumen/aluminium/PE
Tensile strenght (EN 12311-1)	longitudinal> 180 N/50 mm - transversal> 190 N/50 mm
Elongation at break (EN 12311-1)	longitudinal> 15% - transversal > 20%
Static loading resistance (EN 12730)	met.A 15 Kg - Met. B 20 Kg
Tear resistance (EN 12310-1)	longitudinal 70 N - transversal 70 N
Peel resistance (EN 12316-1)	35 N/50 mm
Watertightness (EN 1928)	≥ 60 kPa
Coefficient of vapour diffusion (EN 1931)	Sd ≥ 1500 m
Coefficient of radon gas transmittance	0,47 x 10^{-9} m/s (certified from SP Swedish National Testing and Research Institute)
Permeability to radon gas	0,56 x 10^{-12} m^2/s (certified from SP Swedish National Testing and Research Institute)
Permeability to methane gas (CSI Method)	< 5 cc/m^2 x 24h x atm
Application temperature	+5°C / +45°C
Operating temperature	-40°C / +80°C
Ignitability class (DIN 4102)	B2
Reaction to fire class (EN ISO 11925-2; EN 13501-1)	E
Flexibility at low temperatures	-23°C
Hot flow	+90°C
Packaging	boxes of 1 roll (1 x 25 m)
Storage	store in a dry place at temperatures from +5°C to +40°C; for max. 12 months

USB Sil Power Fix

Art. incolore ***02040408***
Art. bianco ***02040409***

QUICK OVERVIEW: STRENGTHS

The elastic sealant, durable and invisible!

MS polymer adhesive and sealant, durable and invisible and suitable for interior or exterior use.

Suitable for bonding a wide range of building materials and for **air and wind tightness** of any interruptions of the building envelope.

Waterproof, **highly elastic**, resistant to expansion and vibrations.

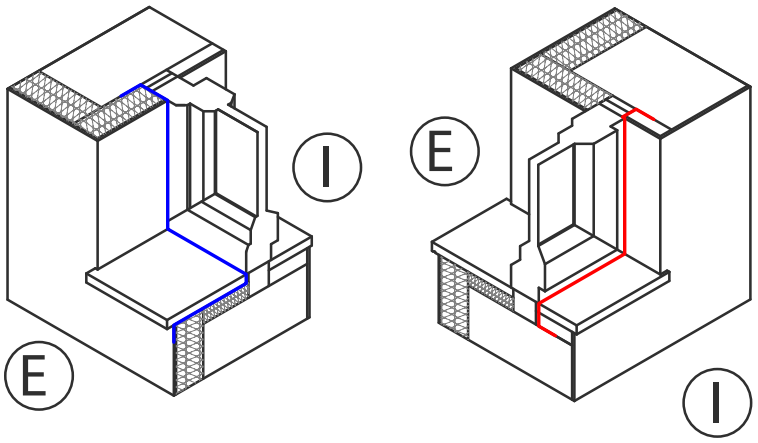
Product description: USB Sil Power Fix is a bicomponent, MS polymer (modified silane + polymer) transparent or white sealant and glue. The glue does not contain isocyanates, solvents or water. It is a universal product with a huge variety of applications. It creates a flexible and invisible (transparent or white) joint. Recommended for gluing and sealing building materials normally used during finishing and restoration work.Ideal for gluing a wide range of building materials to the most usual surfaces, including: concrete, plaster, chipboard, wood, plasterboard, bricks, glass, etc. (not recommended for gluing membranes and barriers in EPDM, PVC, EVA, TPE, PP, PE). USB Sil Power Fix is suitable for achieving air- and windtightness in any gaps in the building structure, particularly suitable for sealing perimeters of door and window frames.

Application: Surfaces must be dry, smooth and free from dust, loose substances, grease, oil, paint, wax, rust, traces of plaster or other materials that could prevent the adhesive from sticking. Application - cut the nozzle to the desired diameter, cut the cartridge opening and screw on the nozzle. Insert the cartridge into the applicator gun.
Use as adhesive: Apply the glue in dots or strips along the entire surface to be glued. Next, join the surfaces together tightly with a slight rotating motion and press them together firmly and uniformly. The bond can be corrected within 15 minutes without separating the elements.
Use as sealant: Apply the glue in dots or strips along the entire surface to be glued. Next, join the surfaces tightly with a suitable tool such as a rubber spatula. The bond can be corrected within 15 minutes. If the sealant must be painted over, wait at least 24 hours after application of the product, then apply undiluted (or maximum 5%) water or solvent-based paint. If painted over on silicate based wall paint, some variation in colour can be expected.

Example of use to renew airtightness in gaps in the structure

Application of USB Sil Power Fix as frame system sealant

For use in frame systems, the levels of interior and exterior hold are those which guarantee air-, wind- and watertightness. This is the reason for the use of products such as adhesives which can be plastered over (FDB INT, EXT or VARIO or FDB Tape NET) or expanding seals (GAE Universal BG1 o GAE Universal TRIO) combined with finishing between frames and interior or exterior wall surfaces using an MS polymer such as USB Sil Power Fix.



Apply USB Sil Power Fix

Form using appropriate tools

Finished work in transparent/white

Technical data sheet	USB Power Fix white	USB Power Fix transparent
Cartridge contents	290 ml	
Material	MS polymer	
Colour	white	transparent
Weight	1,4 ± 0,1 g/cm³	1,05 ± 0,1 g/cm³
Consumption	30 ml per linear metre	
Hardness (Shore A)	ca. 25	ca. 22
Total admissible joint deformation	± 25%	
Elongation at break	250%	npd
Overpaintable	when completely hardened	
Tensile behaviour (EN 8339/E-Modul 100)	<0,4	npd
Formation of skin (23°C/50% UR)	ca. 60 min	ca. 10 min
Elastic behaviour (EN 7389)	>70%	npd
Volume loss (EN 10563)	2,1%	npd
Growth of micro-organisms (EN 846)	0	npd
Stability (EN 7390 - does not sink in gaps/joints)	≤ 1 mm	≤ 3 mm
Drying (23°C/50% UR - depending on the surface)	ca. 2 mm after 24 hours	
Application temperature	from +5°C to +40°C	
Operating temperature	from -20°C to +100°C	
Reaction to fire class	E	
Classification according to EN 15651-1 (wall elements)	25LM	F-INT
Classification according to EN 15651-3 (bathroom fixtures)	XS1	npd
Classification according to EN 15651-4 (walkable elements)	25LM	npd
Packaging	boxes of 20 cartridges	
Storage	store in a cool and dry place at temperatures from +5°C to + 25°C; for max. 12 months	

USB Sil Butyl

Art. cartridge 310 ml ***02040406***
Art. tube 600 ml ***02040407***

QUICK OVERVIEW: STRENGTHS

The universal toluene-free adhesive!

Butyl and rubber based sealant with polymers resistant to ageing.

Usable for **bonding** and **sealing** of USB Riwega membranes on any surface and for buildings in wood or masonry.

Easy to use, **elastic** and **UV stable**.

Description and use: monocomponent butyl and rubber-based sealant with anti-ageing polymers available in a cartridge or tube. This adhesive has elastic properties. Contains solvents which can be dried at ambient temperature. USB Sil Butyl can be applied to all construction materials, such as wood, reinforced concrete, masonry, plaster, OSB boards, etc. USB Sil Butyl is used for gluing and sealing Riwega membranes on all surfaces (tiles, plaster, concrete, wood, rigid panels, etc.) guaranteeing a seal even if there is movement (expansion and/or contraction) of the supporting materials. It is particularly suitable for creating an airtight seal in wooden construction joints.

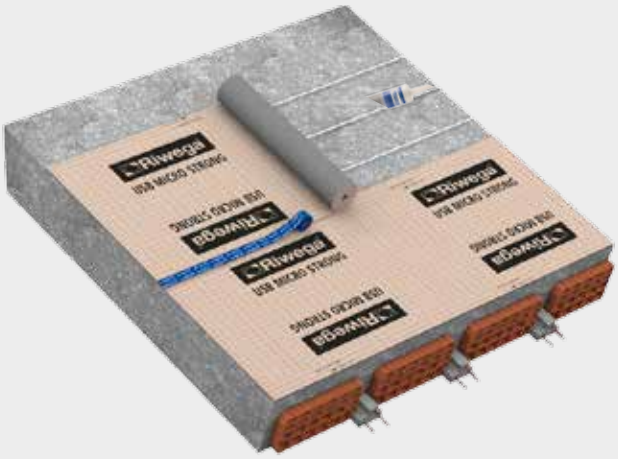
new product

Application: identify the surfaces to be bonded and make sure that they are dry and free from dust and grease (alternatively, use USB PRIMER to treat the surfaces); next, using the gun, apply a strip of butyl adhesive to the hard surface, place the material to be glued onto the adhesive strip and press firmly along the entire adhesive strip using the roller so that the glue bonds perfectly.

ATTENTION!

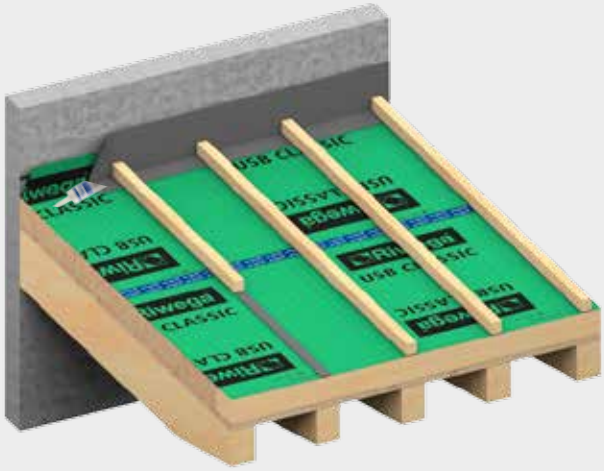
USB Sil Butyl contains solvents which make it incompatible with extruded polystyrene insulating panels. Avoid using this sealant to glue USB Riwega breathable membranes directly onto these panels. For this type of application, it is advisable to use the following adhesive tapes: USB Tape 2 BU (R3/8) or USB Tape 2 BU/CO (R3/9) or even the adhesive USB Sil (R3/21) in cartridge or tube.

Sealing of the joint between two wooden walls and between wood walls and ceiling



Gluing of USB Riwega vapour control layer/barrier onto concrete pitched roof.

Gluing and sealing of USB Riwega breathable membranes on the insulation retaining joists close to the eaves.



Sealing of USB Riwega breathable membranes and/or vapour barriers on plaster and masonry

Technical data sheet	USB Sil Butyl - Cartridge	USB Sil Butyl - Tube
Colour	grey	
Material	butyl glue	
Minimum thickness of layer to apply	6 mm	
Minimum width of layer to apply	10-15 mm	
Contents	310 ml	600 ml
Weight (EN ISO 10563)	ca. 1,65 g/cm³	
Operating temperature	from +5 to + 40 °C	
Operating temperature (DIN 52455-4)	from -40 to + 90 °C	
Hardness (Shore A) (DIN 53505)	ca. 15	
Resistance to atmospheric agents	stable in all climactic zones	
Volumetric variation	10%	
Cohesion time (DIN 18545-B)	1 h	
Average yield	ca. 10 m with cartridge from 310 ml	ca. 20 m with tube from 600 ml
Viscosity (DIN EN 27390)	verified; stable	
Applicator	hand or compressed air gun	
Cleaning	freshly applied, can be removed using petrol or turpentine	
Ignitability class (DIN 4102)	B2	
Reaction to fire class (EN 13501-1)	E	
Packaging	boxes of 20 cartridges from 310 ml	boxes of 20 tubes from 600 ml
Storage	store in a dry place, at temperatures between +15°C and +25°C, away from direct sunlight; for max. 12 months	

USB Sil

Art. cartridge 310 ml ***02040400***
Art. tube 600 ml ***02040401***

QUICK OVERVIEW: STRENGTHS

The universal acrylic sealant!

Solvent free for the sealing of membranes and their bonding to any type of building surface.

Thixotropic, filling and sealing **properties**.

Durable plasticity, **resistant to humidity** and **strong adhesion** to all surfaces.

Description and use: adhesive sealant in cartridge, acrylic acid esters-based copolymer, solvent free, ready to apply, with durable plasticity, odourless, damp resistant, with thixotropic properties, high initial tackiness. USB SIL forms an adhesive mass with airtight, waterproof and windtight capabilities, in accordance with EnEV 2002 and DIN 4108-7.Designed for gluing and sealing the overlaps of PP, PE, PVC, EPDM vapour control layers/barriers or breathable membranes or for gluing them to other surfaces such as insulating panels, bricks, mortar, plaster, concrete, wood, metal, plasterboard, etc. It is particularly suitable for sealing and fixing FDB tapes for subframes or door and window frames on adjacent brickwork.

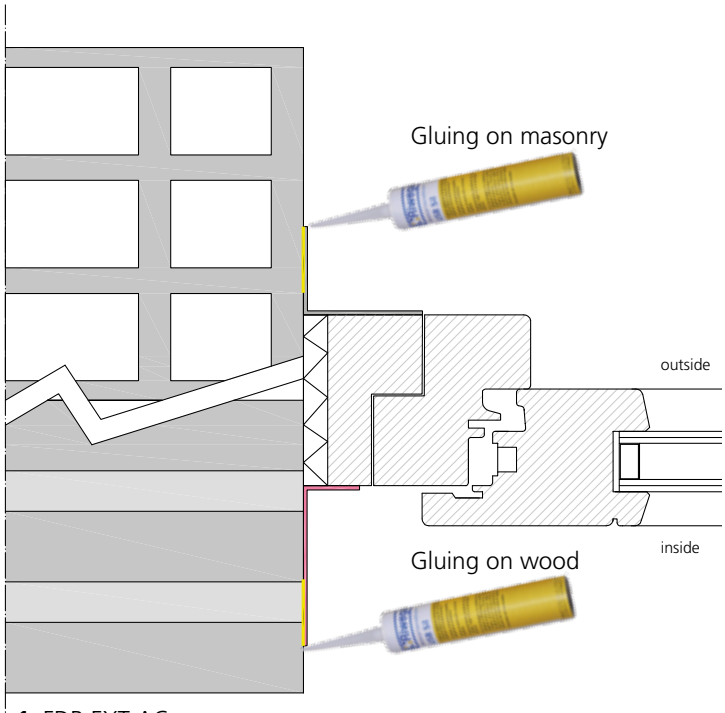
Application: the surfaces on which USB SIL will be applied must be clean, dry, stable and free from dust or grease (alternatively, use USB Primer to treat the surfaces). It can also be applied to slightly damp but absorbent surfaces, such as wood, wood fibre panels, concrete or plaster. Next, using the gun, apply a strip of USB SIL adhesive (between 6 - 8 mm in diameter) on the support or underside of the overlap, place the upper side of the overlap onto the adhesive strip and press firmly along the overlap using the roller so that the glue bonds perfectly.The nonpolymerized material may be removed using water.

Sealing of USB Riwega breathable membrane or vapour control layer/barrier on roof and/or wall overlaps

Gluing of USB Riwega vapour control layers/barriers on internal wooden walls or OSB boards with sealing of overlaps

Use in laying subframes for doors and windows

FDB Tapes (Int/Ext) AC have a single acrylic adhesive strip for adhering to the contour of the subframe; the other side of the tape is plain so that the most appropriate type of gluing system for the type of wall surface can be added: USB SIL is the ideal adhesive for gluing tapes to walls, whether brick, concrete, plaster, plasterboard or wood (solid, laminate, OSB, plywood, etc.).



1. FDB EXT AC
2. FDB INT AC
3. USB Sil

Gluing of external FDB Tape Ext AC tape on masonry

Gluing of internal tape FDB Tape Int AC on wood

Technical data sheet	USB Sil - Cartridges	USB Sil - Tube
Colour	yellow	
Material	acrylic acid ester-based copolymer with additives	
Contents	310 ml	600 ml
Weight	ca. 1,03 g/cm³	
Viscosity	pasty and thyxotropic consistency	
Formation of skin	after about 30 minutes, immediate bonding	
Drying time	from 1 to 7 days depending on the porosity of the surface, the temperature and the amount applied	
Average yield	about 30/40 g/m, depending on application diameter (da 6 a 8 mm)	
Working temperature	from -5°C to +40°C	
Operating temperature	from -30°C to + 80°C	
Packaging	boxes of 20 cartridges from 310 ml	boxes of 20 tubes from 600 ml
Storage	store in a dry place; for max. 12 months	

USB Foam

Art. **02040505**

QUICK OVERVIEW: STRENGTHS

The highly insulating foam!

Highly insulating viscoelastic foam with **airtightness** up to 750 Pa (certified by TU Graz).

Elevated elasticity to guarantee the absorption of movement (expansion or traction) of materials, monocomponent and low expansion.

Description and use: highly elastic monocomponent foam, CFC, HCF and HFC free, with gun applicator, for use according to RAL guidelines. Guarantees thermal and acoustic insulation of the connecting joints around door and window frames, particularly between the subframe and structure and is used to fill any type of leaks in building structures. Thanks to its highly elastic properties the foam is able to absorb movement (expansion or contraction) of the materials.Certified for airtightness by the Technical University of Graz.

Application: before every use, shake the cartridge well (hold horizontally and shake at least 20 times). Screw onto the gun according to the instructions. Adjust the amount coming out by using the lever and the gun's adjusting screw. Spread small amounts of the foam along the edges. Fill joints and cavities larger than 30 mm in layers and dampen between one layer and the next. The foam cannot be left exposed to atmospheric agents for long periods as it is not UV stable. All surfaces on which the foam will be applied must be clean and solid. Remove any loose bits, dust and grease. Dampen the surfaces before and after applying the foam.

Highly elastic product

USB FOAM has been tested by the TU Graz (Institute of Building Construction and Building Physics) on its airtightness performance according to the ÖNORM EN 1026 and ÖNORM EN 12207 norms, obtaining air hermeticity results up to the testing limit of 750 Pa.

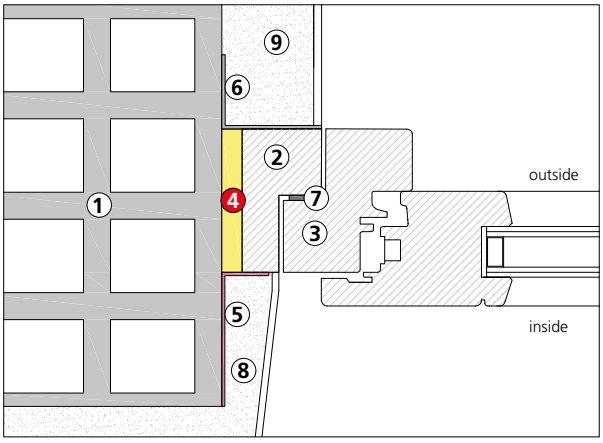
Filling leaks around the edge of a roof window

Filling between masonry and subframe

Filling of cavities, leaks and gaps in building structures

Use in the installation of subframes for doors and windows

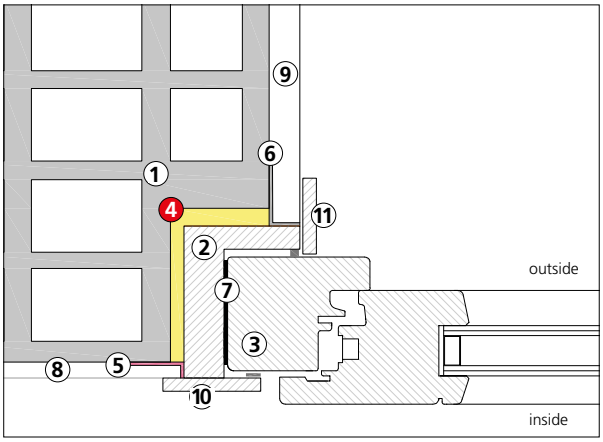
Normally, a subframe (wood, metal or plastic) is installed detached from the brickwork and plastered at a later stage without filling or sealing (when necessary a rigid polyurethane foam is used); as the plaster dries it shrinks and detaches from the subframe; as a result of temperature excursions which cause different materials to move in different ways, the silicone used to seal the door or window frame over the plaster will detach from one of the two parts. In this case, USB Foam fills the space between the door or window frame and the wall, providing guaranteed and long-lasting thermic and acoustic insulation thanks to its excellent elasticity of more than 30%.



Subframe centred in the wall with plaster

1. Wall
2. Subframe
3. Door or window frame
4. **USB Foam elastic foam**
5. Vapour tape **FDB INT AC+BU**
6. Breathable tape **FDB EXT AC+BU**
7. Expanding tape **GAE Universal** o **GAE Universal Plus**
8. Internal plaster
9. External plaster

The finishing touches inside and outside of the door or window frames around the plaster are made using the standard silicone products used by window installers.



Subframe flush with plastered wall

1. Wall
2. Subframe
3. Door or window frame
4. **USB Foam elastic foam**
5. Vapour tape **FDB INT AC+BU**
6. Breathable tape **FDB EXT AC+BU**
7. Expanding tape **GAE Universal TRIO**
8. Internal plaster
9. External plaster
10. Internal cable housing
11. External cable housing

Technical data sheet	
Material	polyurethane monocomponent foam
Contents can	750 ml
Thermal conductivity	0,035 W/mK
Weight	15 - 20 kg/m³
Dimensional stability	<10%
Elongation at break	>40% (EN 1798)
Elastic behavior	ca. 45% (EN 1856)
DVA water vapour diffusion	50 - 60 g/m²/24 hours
Acoustic insulation	up to 60 dB
Coefficient of permeability to water vapour (μ)	19
Fire resistance class	B3 (DIN 4102)
Airtightness	up to 750 Pa according to ÖNORM EN 1026 and ÖNORM EN 12207
Thermal resistance	from -40°C to +80°C (for short periods, up to 120°C)
Working temperature of the can	from +10°C to +30°C
Working temperature of the room	from -10°C
Loss of bonding properties	after about 5 - 10 minutes (20°C / 65% UR)
Cutting time	after about 20 minutes (20°C / 65% UR)
Formation of skin	after about 5 - 7 minutes (20°C / 65% UR)
Reaches elasticity	after 2 hours
Can yield	up to 40 l - 54 m with gaps of 1 cm di width x 1 cm depth
Packaging	boxes of 12 cans
Storage	store in a cool, (max 20°C), dry, frost-free place; in a vertical position for max. 12 months

USB Glue

Art. **02040510**

QUICK OVERVIEW: STRENGTHS

The ideal one for cement surfaces!

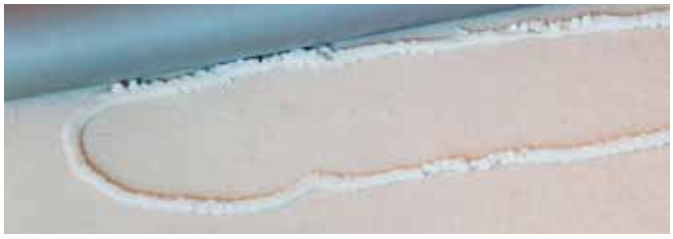
Fast-drying adhesive foam, ideal for bonding vapour control layers to cement surfaces.

Optimum adhesion also on other building surfaces (wood, plaster, bricks, bitumen).

Resistant to ageing.

May also be used to bond EPS or XPS panels

Description and use: USB Glue is an adhesive foam for fixing vapour control layers/barriers to any type of surface, particularly cement surfaces where fixing using mechanical means such as staples or nails is difficult. It can also be used to glue EPS or XPS panels onto any type of surface. Not suitable for gluing of waterproofing or insulation layers in the presence of standing water, underground water or pressurized water. Not suitable for fixing PE membranes.
Application: the surfaces to be glued must be clean and solid. Remove all loose material, dust and grease. Before every use, shake the can well, keeping it in a horizontal position and shaking it at least 20 times. Screw into the pistol as directed. Regulate the flow using the lever and the dosage screw of the pistol. Apply USB Glue in 2cm wide strips about 25cm apart or in a serpentine shape. Allow to air-dry for 1-3 minutes and roll on the vapour control layer/barrier. The weight of the membrane roll will distribute and press the adhesive to the surface of the structure and the membrane. After 8-10 minutes (at 20°C and 65% RH), the membrane will be fixed and may be walked on. Drying times will vary depending on temperature and humidity.
Yield: 1 can yields 45 litres in volume of adhesive foam, corresponding to about 28m² of vapour control layer/barrier. For every 75m² roll of vapour control layer/barrier, we recommend 3 cans of adhesive foam.

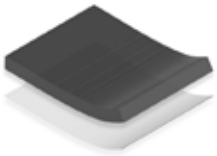


Technical data sheet	
Base	polyurethane monocomponent foam
Contents	750 ml
Specific weight	15 - 25 kg/m³
Yield	45 l
Dimensional stability	± 5%
Formation of skin (20°C/65% UR)	8 - 10 minutes
Cutting time (thickness 2 cm)	20 - 30 minutes
Pressure capability (deformation 10%)	5 - 7 N/cm²
Humidity absorption	0,5% vol/24 hours
Water vapour diffusion	50 - 60g/m²/24 hours
Thermal conductivity	0,035 W/mK
Working temperature (product)	from +10°C to +30°C
Working temperature (air)	+3°C
Thermal resistance	from -40°C to +80°C (for short periods up to +120°C)
Packaging	boxes of 12 cans
Storage	store in a cool, (max 20°C), dry, frost-free place; in a vertical position

USB Tip KONT / DUO

Art. USB Tip KONT 60 ***02045001***
Art. USB Tip KONT 80 ***02045003***
Art. USB Tip KONT DUO ***02045004***

USB Tip KONT



USB Tip KONT DUO

QUICK OVERVIEW: STRENGTHS

The ideal one for waterproof roofs and hermetic walls!

Continuous nail sealing tape, waterproof and air and water tight.

Single face (USB Tip KONT) or **double face** (USB Tip KONT DUO).

Resistant to expansion or vibration thanks to its **elevated elasticity**.

Product description: single-sided adhesive (USB TIP KONT) or double-sided adhesive (USB TIP KONT DUO) nail sealing tape in PE foam which guarantees watertightness between the USB Riwega breathable membrane and the ventilation counter batten in order to prevent water infiltrating into the points where the counter batten fixing screw perforates the breathable membrane. Suitable also for acoustic insulation in wood or metal structures supporting plasterboard or gypsum fibreboard panels for walls or false ceilings.
Roof application: USB Tip KONT is glued directly on the USB Riwega membrane before laying the wooden counter batten and fixing it with screws (according to norm UNI 11470:2015). The double-sided adhesive version USB Tip KONT DUO can also be glued to the counter batten before laying, and after removing the protective liner, the counter batten can be fixed directly onto the Riwega membrane.
Wall application: USB Tip KONT or USB Tip Kont DUO are glued directly onto the supporting structure of the wall; then the wood or aluminium profiles for mounting the plasterboards or gypsum fibreboards are placed. In the USB Tip KONT DUO version, after removal of the protective layer, the profiles may be glued on previously to the mechanical fixing.

USB Tip KONT 60

USB Tip KONT 80

Laying of double adhesive USB Tip KONT DUO with removal of the liner

Technical data sheet	USB Tip KONT 60	USB Tip KONT 80	USB Tip KONT DUO
Material	foam in PE		foam in PE
Colour	grey		grey
Covering material	nessuno		white silicone liner
Thickness	3 mm		3 mm
Weight	25 - 30 kg/m³		25 kg/m³
Peel adhesion (DIN EN 1939)	≥5 N/25mm		≥5 N/25mm
Shear strength (DIN EN 1943)	500 g/625mm²		500 g/625mm²
Working temperature	from +10°C to +30°C		from +10°C to +30°C
Thermal resistance	from -30°C to +80°C		from -30°C to +95°C
Dimensions	strip of 60 mm	strip of 80 mm	strip of 60 mm
Roll dimensions	30 m		30 m
Packaging	boxes of 10 rolls	boxes of 7 rolls	boxes of 10 rolls
Storage	store in a cool and dry place, away from direct sunlight for max. 24 months		

USB Tip 60 / 80

Art. USB Tip 60x40 ***02045000***
Art. USB Tip 80x80 ***02045002***

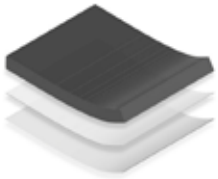
QUICK OVERVIEW: STRENGTHS

The single seal for watertightness!

Self-adhesive single nail sealing patch for watertightness between battens and membranes.

Waterproof, wind- and airtight.

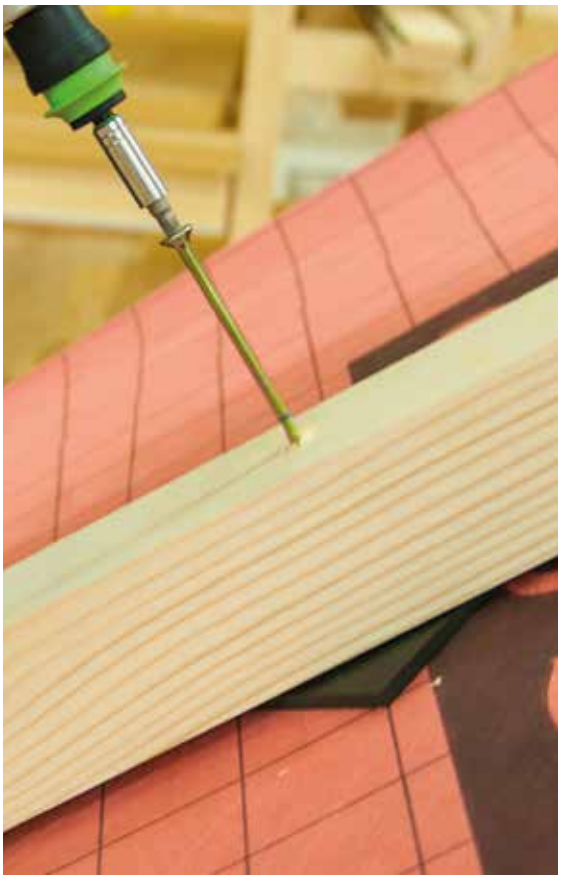
Resistant to expansion and vibrations thanks to its **elevated elasticity**.



- PVC foam
- Acrylic glue
- Silicone liner

Product description: adhesive nail sealing patches made of PVC foam which guarantee water tightness between the USB Riwega breathable membrane and the ventilation counter batten in order to prevent water infiltrating into the points where the counter batten fixing screw perforates the breathable membrane. Available in 60x40mm or 80x80 mm measurements.

Application: USB TIP or USB TIP Kont are fixed directly on the USB Riwega membrane before laying the wooden counter batten and fixing it with screws. It is advisable to trace a line with a chalk string at the point where the counter batten passes. USB Tip conforms to the guidelines of the UNI 11470:2015 norm.



Technical data sheet	USB Tip 60	USB Tip 80
Material	foam in PVC	
Colour	black	
Covering material	white silicone liner	
Thickness	5 mm	
Weight	120 kg/m³	
Peel adhesion (DIN EN 1939)	≥5 N/25mm	
Shear strength (DIN EN 1943)	250 g/625mm²	
Working temperature	from +10°C to +30°C	
Thermal resistance	from -30°C to +80°C	
Dimensions	pieces of 60x40 mm	pieces of 80x80 mm
Roll dimensions	500 pcs / 20 m	250 pcs / 20 m
Packaging	boxes of 10 rolls	boxes of 8 rolls
Storage	store in a cool and dry place, away from direct sunlight for max. 24 months	

GAE Universal

- Polyurethane elastic foam
- Acrylic glue with polyester reinforcing mesh
- Silicone liner

QUICK OVERVIEW: STRENGTHS

The self-expanding universal seal!

Self-expanding elastic strip, precompressed and coated with acrylic adhesive.

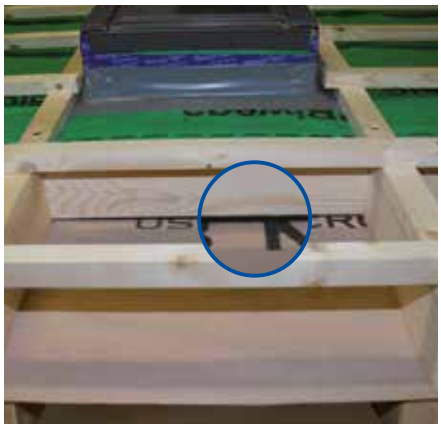
Elasticity of the joint, resistant to expansion and vibrations.

Waterproof up to 300 Pa (BG2) or 600 Pa (BG1).

Description and use: single strip adhesive expanding seal in rolls, composed of pre-compressed, elastic polyurethane foam, pre-glued with a special acrylic glue and protected by a silicone liner. Once laid, the seal increases in volume and adapts itself to the leak to be sealed, thus preventing the passage of air, water, vapour and dust. Depending on how it is used, this seal is classified in two different categories: BG1 (resistant to water penetration ≥ 600 Pa) and BG2 (resistant to water penetration ≥ 300 Pa). These seals are used to provide a seal against the passage of air, water, vapour and dust in leaks found in door and window frames, thresholds, sills, thermal insulation, walls, ceilings and roofs made of wood or concrete.

Application: identify the surface on which you want to place the seal. This surface must be dry and free from dust and grease (alternatively, on brick, mortar or concrete surfaces use USB Primer to treat the surface). After cutting the seal to the desired length, remove the protective liner, lay the adhesive surface on the surface to be sealed and press firmly with your hands so that the glue bonds properly; apply the opposite surface mechanically so that the seal becomes compressed and reaches the required thickness and adapts to and fills any surface imperfections to achieve a total seal against air, water, vapour and dust.

The Universal solution: with GAE Universal you can seal a variety of different points in a building, such as wall-wall, wall-roof, wall-ceiling, door or window frame-subframe, door or window frame-masonry, etc., always using just one material. The important thing is to make sure you select the right width and thickness to achieve the required airtight seal.



Creating an airtight seal underneath the insulation retaining frame.

Creating an airtight seal where the matchboard rests on the joist

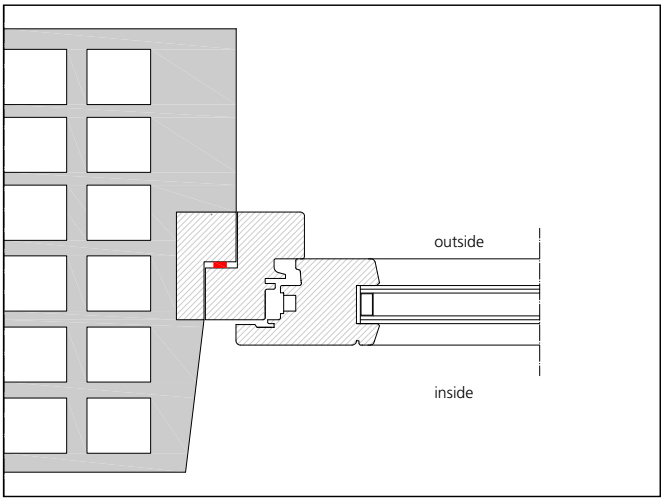
Creating an airtight seal between door or window frame and subframe

GAE Universal

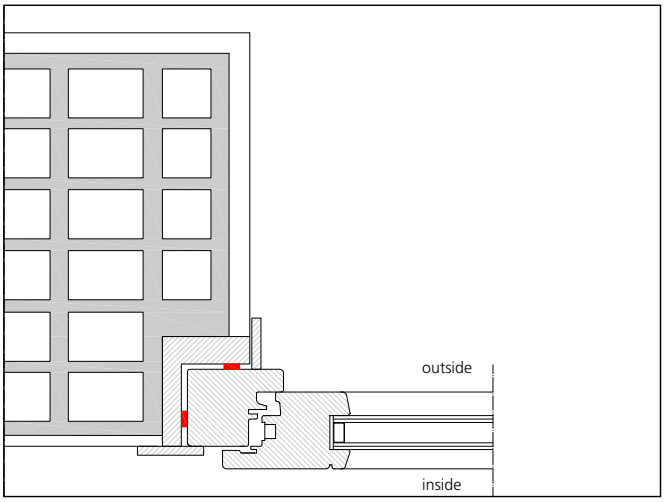
Product	Art.	Width	Gap widths mm	Length of roll	Rolls per box	m per box
BG1 10 (≥ 600 Pa)	02143010	10 mm	2-4 mm	20 m	30	600 m
BG1 15 (≥ 600 Pa)	02143015	15 mm	3-7 mm	15 m	20	300 m
BG1 20 (≥ 600 Pa)	02143020	20 mm	5-10 mm	10 m	15	150 m
BG1 30 (≥ 600 Pa)	02143030	30 mm	8-15 mm	5 m	10	50 m
BG2 20 (≥ 300 Pa)	02142017	20 mm	3-7 mm	15 m	15	225 m
BG2 30 (≥ 300 Pa)	02105020	30 mm	8-15 mm	5 m	10	50 m

Technical data sheet	Norm	Class BG1	Class BG2
Material		elastic polyurethane foam/Acrylic glue	
Colour		black	
Class	DIN 18542:2009	BG1 (MPA)	BG2 (MPA)
Fire resistance class	DIN 4102-1	B1 (MPA)	B2
Coefficient of air permeability of joints	DIN EN 12114	$a_n \leq 1 m^3/h\ m\ (daPa)^{2/3}$ (MPA)	
Tightness against driving rain	DIN EN 1027	≥ 600 Pa (MPA)	≥ 300 Pa (MPA)
Operating temperature		-30°C + 80°C for short periods up to 130°C	
Noise reduction from joints		42 dB	not tested
Resistance to light and humidity		functional guarantee 10 years	not tested
Compatibility with other building materials	DIN 18542:2009	verified (MPA)	
Resistance to alkaline substances	DIN 18542:2009	verified (MPA)	
Tensile strength	DIN EN ISO 1798	>90 kPa	
Elongation at break	DIN EN ISO 1798	>190%	
Resistance to deformation at pressure load	DIN EN ISO 3386	3,4 kPa (± 0,6) 40% deformation	
Air layer equivalent to water vapour diffusion	DIN EN ISO 12572	Sd < 0,5 m (MPA)	
Thermal conductivity	DIN EN 12667	λ = 0,0478 W/mK	
Emissions		very low according to EMICODE®	
Storage		keep in a cool and dry place for max. 12 months, in the original container	

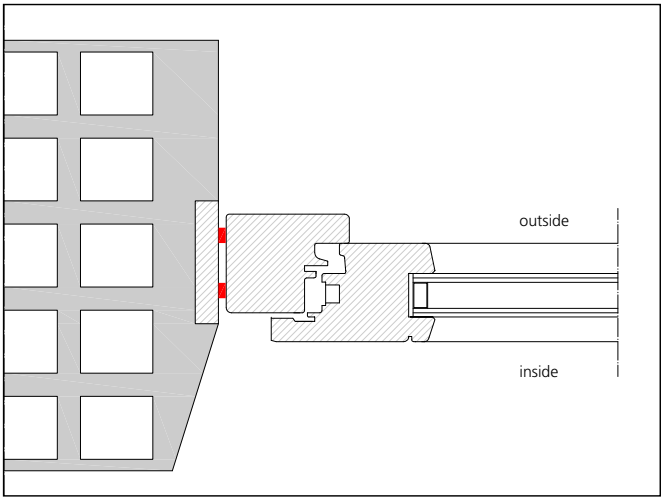
Examples of application in frames



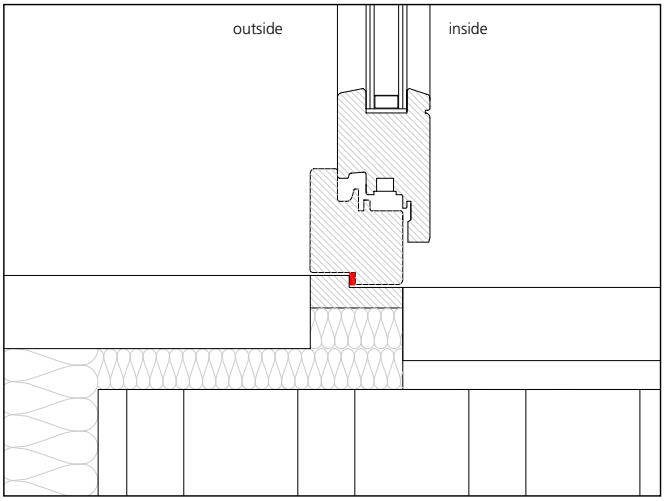
Application on brick wall with frame against subframe in the middle of the wall: seal in the connection between frame and subframe



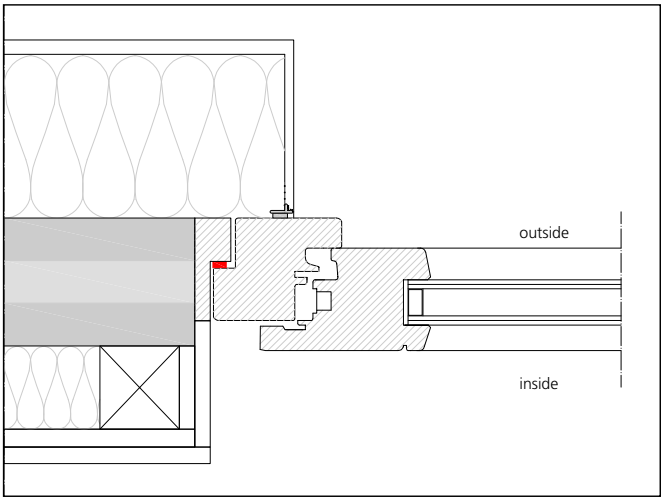
Application on brick wall with "L" subframe flush with the internal wall: two seals between the support contacts between frame and subframe



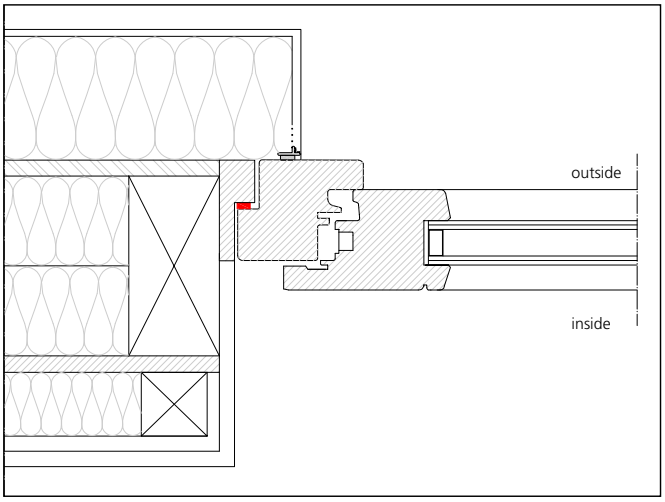
Application on brick wall with frame on subframe in the middle of the wall: two seals between the support contacts between frame and subframe



Application on brick wall with subframe on the underside: seal in the connection between frame and subframe



Application on wall in X-Lam with frame against subframe: seal in the connection between frame and subframe



Application on wood frame wall with frame against subframe: seal in the connection between frame and subframe

GAE Universal PLUS

Art. 10 mm ***02145010***
Art. 15 mm ***02148015***

QUICK OVERVIEW: STRENGTHS

Tape for inside use, with controlled expansion!

Adhesive tape with **controlled expansion** which guarantees **elasticity of the joint**.

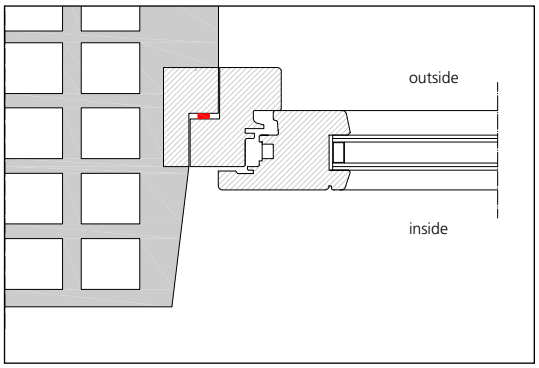
Elastic polyurethane foam, precompressed and contained in a **disposable polyethylene** liner.

Air and **wind-tight** (BGR class).

- PE film
- Polyurethane elastic foam
- PE film
- Acrylic glue
- Silicone liner

Description and use: single strip adhesive expanding seal in rolls, composed of pre-compressed, elastic polyurethane foam enclosed by disposable polyethylene film, pre-glued with a special acrylic glue and protected by a silicone liner. Once laid, the seal increases in volume and adapts itself to the leak to be sealed, thus preventing the passage of air, wind, water and vapour. The product is used to seal the laying joint between door or window frame and subframe. Its key strength is the disposable polyethylene film which keeps the seal compressed until it is torn away. This makes it possible to lay the seal in advance of installing the door or window frame (for example, at the production stage) without expanding, which would make installation difficult.

Application: identify the surface of the edge of the door or window frame on which to glue the seal. After cutting the seal to the desired length, remove the protective liner, lay the adhesive surface on the surface to be sealed and press firmly with your hands so that the glue bonds properly; install the door or window frame allowing the edge of the polyethylene film to hang over between the door or window frame and the subframe. On completing the installation, remove the film, allowing the seal to expand and fill all the leaks between the door or window frame and the subframe.



Technical data sheet	GAE Universal PLUS 10 mm	GAE Universal PLUS 15 mm
Material	polyurethane elastic foam/Acrylic glue/film in PE	
Colour	grey/film PE red	
Operating temperature	from -30°C to +90°C	
Coefficient of watertightness of joints	a < 0,1 m³/mh(daPa)$^{2/3}$	
Grout lines watertightness class	BGR (DIN 18542)	
Fire resistance class	B2	
Measurements	10 mm x 200 m	15 mm x 100 m
Application base minimun width	15 mm	20 mm
Thickness at complete expansion	18 mm	28 mm
Actual thickness at air seal	5-10 mm	8-15 mm
Packaging	box of 1 roll x 200 m	box of 1 roll x 100 m
Storage	store in a dry place at temperatures from +1°C to +20°C for max. 24 months	

GAE Universal TRIO

Art. Trio 56 ***02150056***
Art. Trio 64 ***02150064***
Art. Trio 74 ***02150074***

- Polyurethane foam
- Acrylic glue
- Silicone liner

Description and use: pre-compressed, impregnated, self-expanding multifunctional polyurethane foam with two internal membranes which regulate the passage of vapour and, in conjunction with the foam, help to create the waterproof seal. GAE Universal TRIO provides a seal against water, air, wind and noise in the installation joint between the door or window frame and wall, between the door or window frame and subframe or between the subframe and wall in one single product.

Application: identify the surfaces on which to lay the seal (back of the door or window frame), making sure that the surfaces are dry and free from dust and grease. After cutting the seal to the desired length, remove the protective liner, lay the adhesive surface on the surface to be sealed (black part outside) and press firmly with your hands so that the glue bonds properly; install the door or window frame so that the seal is squeezed on the underside, allowing the seal on the other three sides to expand and reach the thickness recommended for total sealing. Make the sill or threshold of the door or window frame watertight using MS Polymer products. Depending on the climactic conditions, it may take up to 48 hours for the tape to expand fully.

QUICK OVERVIEW: STRENGTHS

One tape, three functions!

Expansive tape with the **triple functions** of air- and windtightness, waterproofing and control of the passage of vapour.

Self expanding, pre-compressed and coated with acrylic glue, quick and easy to apply.

Elasticity of the joint, resistant to expansion and vibrations.

Functions as thermal and acoustic insulation.

Technical data sheet		
Material		polyurethane elastic foam with 2 membranes/Acrylic glue
Colour		black outside /grey inside
Class	DIN 18542:2009	BG1/BGR
Reaction to fire class	DIN EN 13501-1	E
Coefficient of air permeability of joints	DIN EN 12114	$a_n \leq 0{,}1 m^3/h\ m\ (daPa)^{2/3}$
Tightness against driving rain	DIN EN 1027	≥ 600 Pa
Operating temperature		-30°C / + 80°C
Working temperature		+5°C / +30° (air); +10°C / +20°C (product)
Noise reduction from joints	Ift SC-01/2:2002-09	57 dB (without plaster)
Condensation stability	DIN 18542	verified, BG R
Compatibility with other building materials	DIN 18542:2009	verified
Coefficient of permeability to water vapour	DIN EN ISO 12572	μ inside 19,2 – outside 3,5
Air layer equivalent to water vapour diffusion	DIN EN ISO 12572	Sd > 0,5 m (width 56 mm)
Thermal conductivity	DIN EN 12667	λ = 0,0428 W/mK value U=0,58 W/m²K (width 74 mm)
Emissions		very low according to EMICODE®
Storage		keep in a cool and dry place for max. 12 months

Product	Code	Width	Gap widths	Length of roll	Rolls per box	m per box
TRIO 56	02150056	56 mm	4-9 mm	11,7 m	5	58,5 m
TRIO 64	02150064	64 mm	6-15 mm	9,4 m	4	37,6 m
TRIO 74	02150074	74 mm	10-20 mm	7 m	4	28 m
Other measurements on request						

GAE ST 125 / 250

Art. GAE ST 125 ***02045005***
Art. GAE ST 250 ***02045006***

QUICK OVERVIEW: STRENGTHS

The airtight seal between wooden structures and masonry!

Prevents the passage of humidity in wood beams and the passage of air and wind through connections between wood and other types of structures.

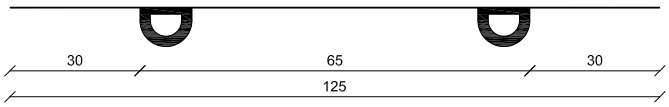
Elasticity of the joint, resistant to expansion and vibrations.

Waterproof and resistant to ageing.

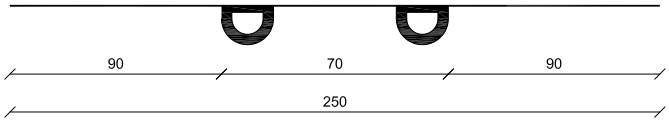
Description and use: seal composed of a polyethylene layer to which, two 10 mm diameter elastic EPDM tubes are attached. The seal has a dual function: the polyethylene prevents humidity from passing through to wooden beams while the EPDM tubes prevent air from passing through gaps measuring up to 10 mm wide. The elasticity of the EPDM guarantees a seal against air, wind, vapour and noise even when the wooden elements expand or shrink. GAE ST 125/50 is used for sealing and provides a guaranteed seal against air, wind, vapour and noise for all joints between wooden roof and wall supporting shore beams on masonry or concrete bases or between two wooden beams or two prefabricated wooden frame or panelled walls.

Application: unroll the seal and using metal staples, apply the seal to the beam or wooden wall on the surface which will be joined to the masonry, concrete, other beam or other wall. Make sure that the seal is positioned in the part of the joint which faces the interior of the building.

GAE ST 125



GAE ST 250



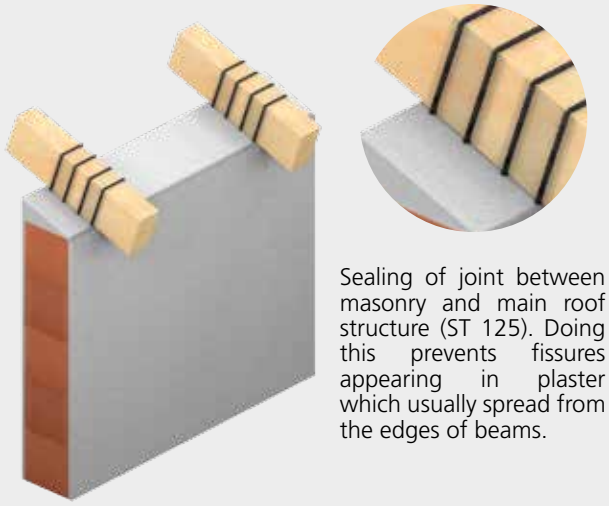

Sealing cill-beam


Sealing individual beam support

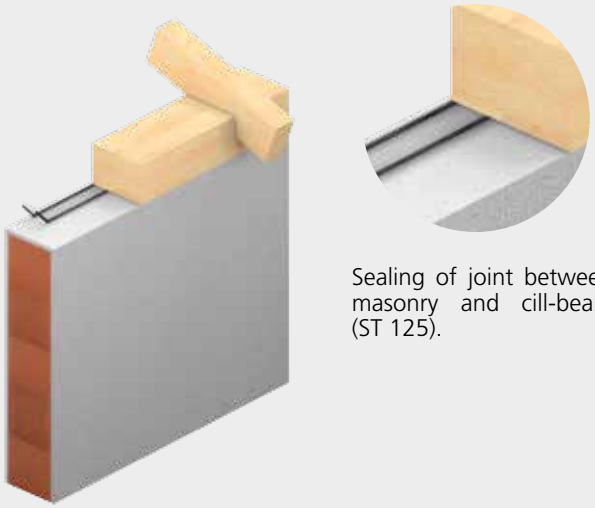

Sealing wooden wall support

EPDM - the ideal material for wooden structures: thanks to its durability and ability to resist high loads, EPDM (ethylene propylene diene monomer) seals are ideal for making airtight seals in different points of wooden structures. EPDM seals can last for more than forty years without altering under normal temperature conditions (from -40°C to + 40°C).

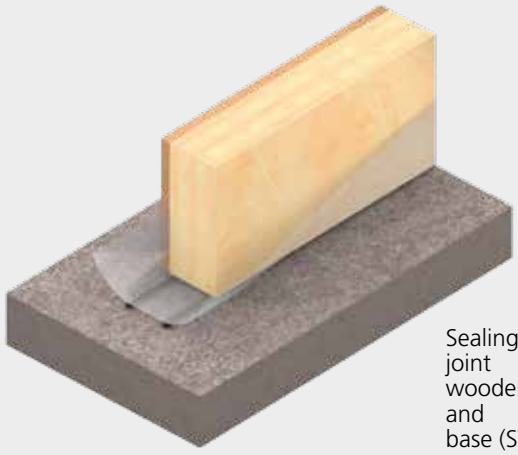
EPDM cellular rubber - stability and durability: due to their particular chemo-molecular structure, EPDM closed cell cellular rubber seals, protected by a special film, are resistant to ageing caused by oxygen, active oxygen, elevated temperature, and low temperature.
Also, thanks to the high elasticity of the material, they guarantee perfect air- and watertightness even if laid on very uneven surfaces. EPDM seals are stable on contact with most chemical products (excluding mineral oils, gasoline and solvents).



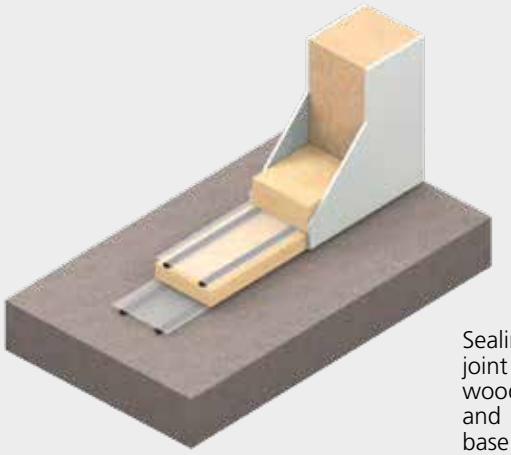
Sealing of joint between masonry and main roof structure (ST 125). Doing this prevents fissures appearing in plaster which usually spread from the edges of beams.



Sealing of joint between masonry and cill-beam (ST 125).



Sealing of joint between wooden wall and concrete base (ST 250)



Sealing of joint between wooden wall and concrete base (ST 125)

Technical data sheet	GAE ST 125	GAE ST 250
Material	LDPE/EPDM	
Colour	blue transparent/black	
Measurements	125 mm x 25 m	250 mm x 25 m
Diameter of the tube in EPDM	ca. 10 mm	
Weight EPDM (ISO 2781A)	0,3 g/cm^3 ±0,1	
Compression set (50% comp) after 22h/23°C	7%	
Compression set (50% comp) after 22h/70°C	36%	
Water tightness (EN 1928)	passed	
Resistance to low temperatures	MLV -30°C	
Tensile strenght (EN 12311-2 Met.B)	min. MD* 20N/mm^2 / CD* 20N/mm^2	
Elongation (EN 12311-2 Met.B)	min. MD* 550% / CD* 600%	
Water vapour permeability (EN 1931-B)	min. 3,0 x 10^6 s/m	
Application temperature	>10°C	
Packaging	boxes of 8 rolls (8 x 25 m)	boxes of 6 rolls (6 x 25 m)
Storage	keep in a cool and dry place for max. 24 months	

*MD = longitudinal CD = transversal

GAE LVD 45 / 80

Art. LVD 45 ***020450071***
Art. LVD 80 ***02045007***

QUICK OVERVIEW: STRENGTHS

The connection for wood houses!

Seal in expanded EPDM to guarantee **water-, air-, wind- and vapourtightness** of the connections in wood houses.

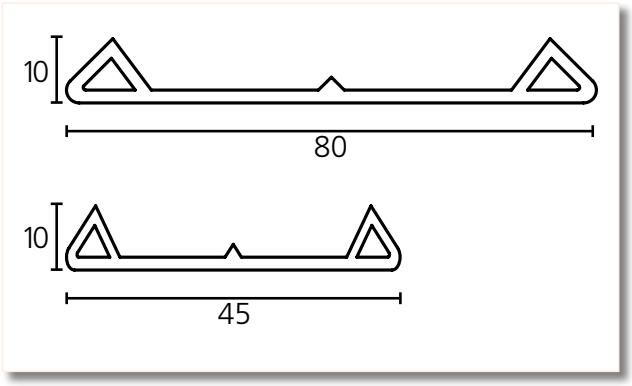
Elasticity of the joint, resistant to expansion and vibrations.

Ideal also for sealing the lower joint of windows and below door sashes.

Resistant to ageing.

Description and use: EPDM expanded elastic seals, 80 mm or 45 mm widths, with 10 mm raised edges on both sides, guaranteeing a seal against air, water, wind and vapour in the joints of wooden constructions between panel walls or frame walls, or between walls and ceilings. GAE LVD seals can also be used to create a seal against water, air and wind on the underside of door and window frames, when laid between the sill of French windows and the ground support or underneath the door or window frame resting on the sill or subframe.

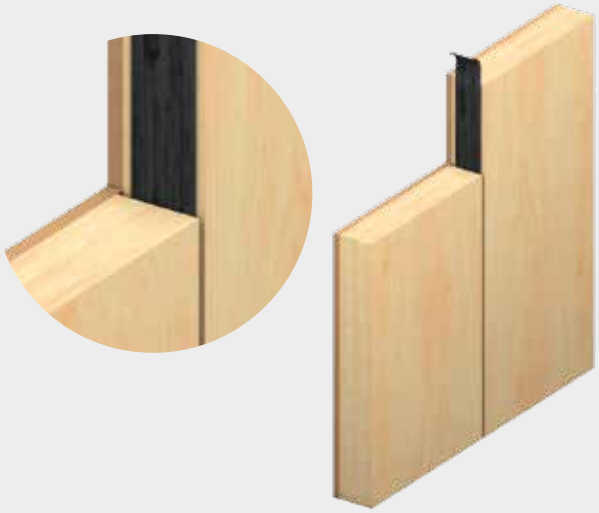
Application: for wooden structures, unroll the seal with the flat side resting against the wooden structure you wish to seal (wall, beam, cill-beam, ceiling) and fix with staples; join the two wooden components so that the pressure between the two structures compresses the seal, activating its sealing properties. For door and window frames, cut the seal to the width of the door or window frame with the flat side adhering to the double-sided adhesive tape USB Tape 2 AC. This should be done beneath the underside of the door or window frame (a heat threshold or a lower frame). Then install the door or window frame so that the door and window frame weight's pressure compresses the seal on the lower surface (floor, threshold, sill, subframe), activating its sealing and airtight properties.



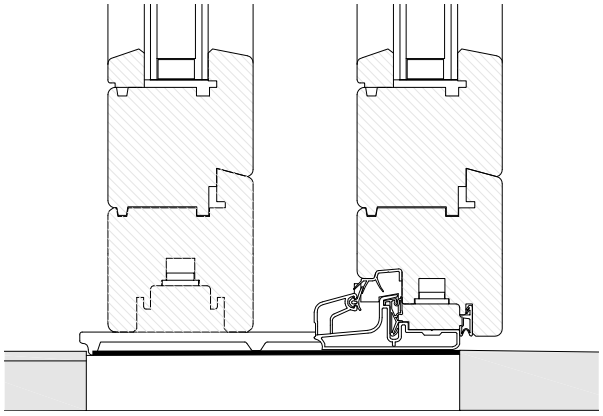
Sealing of joint

Sealing of joint between wooden wall and wooden ceiling

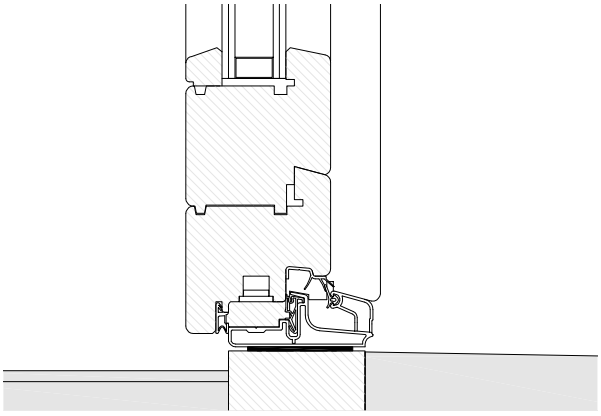
Sealing of joint between two wooden walls

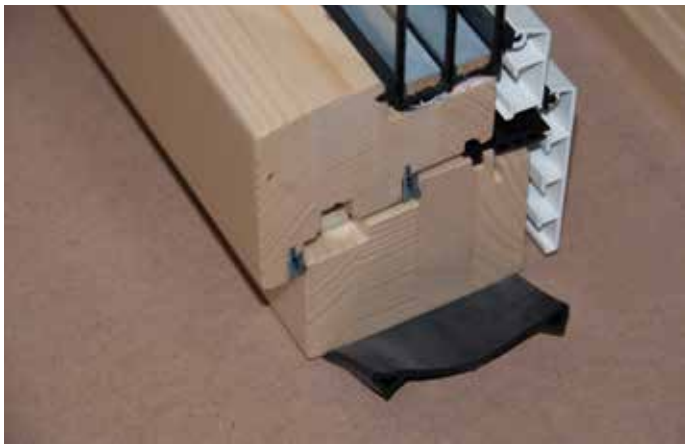


GAE LVD 80 as a seal underneath the sill of lift-up, sliding French windows



GAE LVD 45 as a seal underneath the sill of French windows





Technical data sheet	GAE LVD 45	GAE LVD 80
Material	expanded EPDM	
Colour	black	
Measurements	45 mm x 25 m	80 mm x 25 m
H lateral overhangs	10 mm	
Weight	0,50 g/cm³	
Operating temperature	-45°C / +120°C	
Packaging	boxes of 10 rolls (10 x 25 m)	boxes of 10 rolls (10 x 25 m)
Storage	keep in a cool and dry place for max. 24 months	

GAE STG Double

Art. **020450081**

QUICK OVERVIEW: STRENGTHS

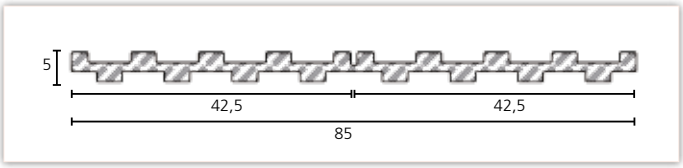
The ideal one for improving acoustics in wooden structures!

Seal in compact EPDM for reducing noise due to the passage of vibrations from footsteps.

Seals against air and wind.

Resistant to expansion and vibrations.

Dry application, quick and easy.



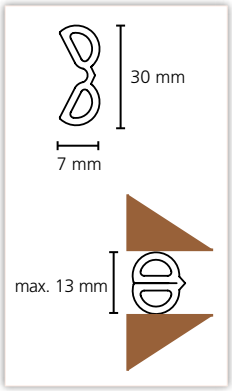
Description and use: compact EPDM seal, 85 mm wide and 5 mm thick (can be split into two strips of 42.5 mm) with a ridged surface, guarantees excellent noise reduction by stopping the passage of vibration from footsteps. For use on wooden floors at the support point between the floor structure and the wooden or masonry wall, or at the points of contact between wooden structures and those made of other materials (masonry, concrete, metal, etc.).

Application: unroll the seal and lay it against the supporting wall. Attach it using staples or nails and then ease the floor structure into place.

Technical data sheet	
Material	EPDM rigid
Colour	black
Measurements	85 mm (42,5 mm x 2) x 25 m
Thickness	5 mm
Weight	1,30 g/cm^3
Operating temperature	-45°C / +130°C
Elongation at break (ISO 37 Tipo 1)	≥250 %
Breaking strength (ISO 37 Tipo 1)	≥5 N/mm^2
Hardness (ASTM D 2240 3s SH A.)	60
100% module	≥ 1,5 N/mm^2
Packaging	boxes of 6 rolls (6 x 25 m)
Storage	keep in a cool and dry place for max. 24 months

GAE D2

Art. **02045010**



Description and use: expanded, elastic, foldable EPDM seal that guarantees an excellent seal against air, wind and vapour, preventing the formation of condensation. The GAE D2 seal prevents the passage of air between door and window frames and walls, or at the points where the wooden roof or floor joists rest on bricks or concrete walls. The interruption of the air flow prevents the loss of heat in the winter, the ingress of heat from outside during summer and the formation of condensation in structures. The passage of noise coming through the joints is also considerably reduced as the seal improves the building's acoustic performance.

Application: unroll the seal, fold it in half and press it firmly into the gap to be sealed using a spatula

QUICK OVERVIEW: STRENGTHS

The dry seal against passage of air!

Seal in expanded EPDM, **seals against air and wind.**

Resistant to expansion and vibrations.

Soft and elastic, foldable for quick and easy pressure application in the slot to be sealed.

Technical data sheet	
Material	expanded EPDM
Colour	black
Dimensions (unfolded seal)	7 mm x 30 mm (can be compressed to 2 mm x 30 mm)
Dimensions (folded seal)	13 mm x 13 mm (can be compressed to 4 mm x 13 mm)
Length	50 m
Weight	0,50 g/cm³
Operating temperature	-45°C / +120°C
Packaging	boxes of 8 rolls (8 x 50 m)
Storage	keep in a cool and dry place for max. 24 months

AIR Stop EPDM

QUICK OVERVIEW: STRENGTHS

The perfect seal for pipes and cables!

Base in aluminium (or in non-woven fabric upon request) and collar in EPDM, available in **various sizes**.

Self-adhesive system which adheres perfectly to breathable membranes or vapour control layers/barriers as well as to all types of building materials (plaster, bricks, concrete, wood and OSB), adapting itself to any pitch.

Water, air and windtight and UV stable.

Description and use: aluminium based seal (on request polypropylene non-woven fabric base), coated on the underside with butyl glue and protected by a silicone liner. Fitted with an EPDM collar to provide a long-lasting seal quickly and safely against water, air, wind, vapour and noise around any interruption in the insulation in roofs and walls where cables and pipes pass through. Available in different collar diameters to seal all types of cables and pipes from 4 to 130 mm in diameter. Adheres to: breathable membranes and vapour control layers/barriers, plaster, brickwork, concrete, wood and OSB. AIR STOP seals can also be used over or underneath plaster, as polypropylene can be plastered over.

Application: identify the surface on which you want to place the seal. This surface must be dry and free from dust and grease (alternatively, on brick, mortar or concrete surfaces use USB PRIMER to treat the surface). Sprinkle the internal surface of the collar with the talcum powder provided, insert the cable or pipe with the EPDM rubber collar tightly pressed around it; slide the seal up to the surface on which is to be stuck; remove the protective liner, attach the base to the surface and press firmly with the roller so that the whole base adheres well to the surface.

Technical data sheet	AIR Stop Aluminium	AIR Stop Polypropylene
Material	EPDM.ALU.Butyl	EPDM.PP.Butyl
Colour	base aluminium / collar in EPDM black	base Non-woven fabric grey / collar in EPDM black
Availability	in stock	on request
Plaster-readiness	not plaster-ready	plaster-ready
UV stability	stable	non stable
Working temperature	from +5°C to +30°C	
Operating temperature of the butyl glue	from - 40°C to +100°C	
Weight EPDM	1,13 g/cm³	
Tensile strength EPDM (DIN 53504 / ISO 37)	14,4 N/mm²	
Elongation at break EPDM (DIN 53504 / ISO 37)	240%	
Elasticity EPDM (DIN 53512)	36%	
Operating temperature of the EPDM collar	from -30°C to +130°C (for short periods up to +150°C)	
Low temperature resistance EPDM (24h / -35°C)	no damage	
Fire behaviour EPDM (FMV SS 302)	18,6 mm/min	
Storage	keep in a cool and dry place for max. 24 months	

AIR Stop D1	D1 Ø 4 - 8 mm	D1 Ø 8-11 mm
Art.	02201504	02201508
Base dimensions	150 x 150 mm	
Internal diameter ø of the EPDM collar	from 4 to 8 mm	from 8 to 11 mm
Type of application	tubes: electrical, telephone, aerial, satellite dish, data, ecc.	
Packaging	boxes of 10 pieces	

AIR Stop GD21	
Art.	02201515
Base dimensions	150 x 150 mm
Internal diameter ø of the EPDM collar	da 15 a 22 mm
Type of application	tubes: electrical, water, heating, ecc.
Packaging	boxes of 10 pieces

AIR Stop GD22	
Art.	02201525
Base dimensions	150 x 150 mm
Internal diameter ø of the EPDM collar	da 25 a 32 mm
Type of application	tubes: electrical, water, heating, ecc.
Packaging	boxes of 10 pieces

AIR Stop GD23	
Art.	02202242
Base dimensions	230 x 230 mm
Internal diameter ø of the EPDM collar	from 42 to 55 mm
Type of application	tubes: water, solar panels, waste, ecc.
Packaging	boxes of 2 pieces

AIR Stop RGD50	
Art.	02202250
Base dimensions	230 x 230 mm
Internal diameter ø of the EPDM collar	from 50 to 65 mm
Type of application	tubes: solar panels, waste, ecc.
Packaging	boxes of 2 pieces

AIR Stop RGD75	
Art.	02202275
Base dimensions	230 x 230 mm
Internal diameter ø of the EPDM collar	from 75 to 90 mm
Type of application	tubes: ventilation for bathrooms, chimney hoods, gas ecc.
Packaging	boxes of 2 pieces

AIR Stop RGD100	
Art.	02202299
Base dimensions	320 x 320 mm
Internal diameter ø of the EPDM collar	from 100 to 110 mm
Type of application	tubes: ventilation for bathrooms, chimney hoods, gas ecc.
Packaging	boxes of 2 pieces

AIR Stop FRGD130	
Art.	02203510
Base dimensions	350 x 350 mm
Internal diameter ø of the EPDM collar	from 100 to 130 mm*
Type of application	tubes: ventilation for bathrooms, chimney hoods, gas ecc.
Packaging	boxes of 2 pieces

*upon request we can furnish larger sizes of up to diameters of 300mm or with collars which are heat resistant up to 250°C.

AIR Stop M-TEC 6 C / T

Art. M-tec 6 C ***02202310***
Art. M-tec 6 T ***02202320***

QUICK OVERVIEW: STRENGTHS

The seal for electrical cables and conduits!

Seal for up to 6 electrical **cables or corrugated tubes** of various diameters with an aluminium-butyl base and rubber collars.

Self-adhesive system which adheres perfectly to breathable membranes or vapour control layers/barriers as well as to all types of building materials (plaster, bricks, concrete, wood and OSB).

Water, air and windtight and UV stable.

Description and use: rubber collars with aluminium-butyl base, providing a seal against air, water, wind and vapour for up to 6 cables or corrugated pipes. The collars can be used both indoors and outdoors as their aluminium coating is UV stable; thanks to the butyl glue they can be fixed to any type of building material. There are two types of AIR STOP M-TEC 6: the "C" version is used for sealing cables with a diameter from 4 to 11 mm; the "T" version is used for sealing corrugated pipes with a diameter from 16 to 25 mm.

Application: identify the surface on which you want to place the seal. This surface must be dry and free from dust and grease (alternatively, on brick, mortar or concrete surfaces use USB PRIMER to treat the surface). Sprinkle the internal surface of the collar with the talcum powder provided, insert the cable or pipe so the rubber collar is tightly pressed around it; slide the seal up to the surface on which it is to be stuck; remove the protective liner, attach the base to the surface and press firmly with the roller so that the whole base adheres well to the surface.

Technical data sheet	AIR Stop M-TEC 6 C	AIR Stop M-TEC 6 T
Material	rubber/aluminium/butyl	
Colour	base aluminium/insert red and white	
Working temperature	from +4°C	
Operating temperature	from -20°C to +100°C	
UV stability	stable	
Measurements of the base in aluminium	230 x 230 mm	320 x 320 mm
Number and diameter of the insert	6x 4-11 mm	6x 16-25 mm
Type of application	electrical or antenna cables	corrugated tubes
Packaging	box of 4 pieces	
Storage	keep in a cool and dry place for max. 24 months	

AIR Stopper

Art. 16 mm ***02203616***
Art. 20 mm ***02203620***
Art. 25 mm ***02203625***
Art. 32 mm ***02203632***
Art. 40 mm ***02203640***

QUICK OVERVIEW: STRENGTHS

The stopper for airtightness of corrugated tubes!

Provided with **three flaps** which guarantee airtightness and prevent the passage of fumes.

Various diameters for all types of corrugated tubes and an **elastic membrane divided into several parts** to keep electrical circuits in the same tube separate from one another.

Description and use: thermoplastic elastomer (TPE) stoppers for corrugated tubes of electrical installations, providing an airtight seal on all connections from the general electrical panel to the junction box. Inside the TPE stopper there are three flaps which ensure a perfect seal against the ingress of air and/or fumes through the corrugated tubes of the electrical installation. Choose from 5 different sizes to seal different diameters of tubes available on the market. The top of the three biggest sizes are split into two, three or four distinct sections to keep the electrical circuits passing through the same corrugated tube separate from one another.

Application: identify the diameter of the corrugated tube to be sealed and select the appropriate stopper. Pierce the stopper's sealing membrane with the electrical cable and run it through; repeat this operation with all the cables in the corrugated tube and insert the stopper firmly into the corrugated tube.

Technical data sheet	AIR Stopper 16	AIR Stopper 20	AIR Stopper 25	AIR Stopper 32	AIR Stopper 40
Material	TPE				
Diameter of the tube	16 mm (5/8" Pg 9)	20 mm (3/4" Pg 11)	25 mm (Pg 16)	32 mm (Pg 21)	40 mm (Pg 36)
No. of membrane sections	1	1	2	3	4
Packaging	20 pcs per box				

AIR Stop Universal

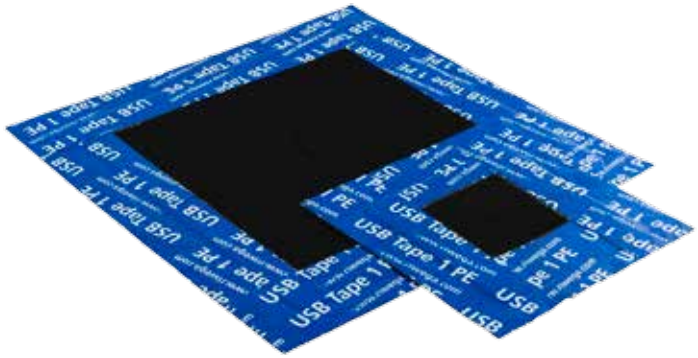
Art. 60/135 **02202500**
Art. 2/55 **02202510**

QUICK OVERVIEW: STRENGTHS

The seal with pre-cut diameters!

Seal in EPDM with preinstalled USB Tape 1 PE acrylic tape for quick and secure sealing of cables and tubes.

Multiple hole measurements make it perfectly adaptable to any diameter.



Description and use: seal with double layer polyester non-woven fabric base perforated at the centre, with PVC fabric in the middle, to quickly and safely provide a long-lasting airtight seal against air, wind, vapour and noise on all interruptions on USB Riwega vapour barriers on roofs and walls caused by cables and pipes. Available in various collar diameters to seal all types of cables and pipes.

new product

Application: identify the surface on which you want to place the seal. This surface must be dry and free from dust; insert the cable or pipe into the collar so that the rubber collar is tightly pressed around the pipe; slide the seal up to the surface on which it is to be stuck; remove the protective liner, apply this adhesive tape USB Tape 1 PE on the base and press firmly with the roller so that the base adheres perfectly to the surface.

Technical data sheet	**Values referred to the adhesive**	
Glue	dispersion based acrylic solvent and plasticiser free	
Glue carrier material	tape with PE surface with polyester reinforcing mesh	
Thickness	0,29 - 0,32 mm	
Glue weight	220 - 240 g/m²	
Tear resistance with elasticity	≥ 25 N/25mm; 450%	
Peel adhesion (AFERA 5001)	≥ 40 N/25mm	
Operating temperature	from -40°C to +80°C	
Covering material	silicone liner	
UV stability	24 months	
	Values referred to EPDM	
Hardness	67° shore A	
Tensile strength (EN 12311-2)	9,4 MPa	
Resistance to tearing (EN 12310-2)	55 KN/m	
Elongation at break	430%	
Operating temperature	from -45°C to +130°C (for short periods, up to +250°C)	
Sd value (EN 1931)	60 m	
	Ø 60 -135 mm	**Ø 2 - 55 mm**
Base dimensions	345 x 345 mm	195 x 195 mm
Internal diameter ø of the EPDM collar	ø 60 mm (1 hole) pipes from ø 80 mm to ø 125 mm ø 100 mm (1 hole) pipes from ø 125 mm to ø 160 mm ø 135 mm (1 hole) pipes from ø 160 mm to ø 200 mm	ø 3 mm (4 holes) cables from ø 7 mm to ø 10 mm ø 7 mm (2 holes) cables from ø 10 mm to ø 22 mm ø 55 mm (1 hole) cables ø 80 mm
Storage	keep in a cool and dry place for max. 24 months	

AIR Stop ADT 100

Art. **02203010**

QUICK OVERVIEW: STRENGTHS

The self-adhesive corner seal!

Element made up of a polyethylene membrane between two protective layers on non-woven fabric with an integrated self-adhesive strip.

For sealing any USB Riwega vapour control layers/barriers at the corners of chimneys and windows, guaranteeing **air-, water-, wind- and vapourtightness.**

Adaptable to **any pitch**; quick and easy to apply.

Description and use: corner element composed of a polyethylene membrane covered by two protective polyester non-woven fabric layers with integrated adhesive strip, specially designed to seal USB Riwega vapour control layers/barriers around the corners of chimneys and roof windows, the critical points where these barriers have openings, guaranteeing a perfect seal against air, water, wind, noise and vapour along the entire perimeter of chimneys and roof windows.

Application: cut a cross into the Riwega USB vapour control layer/barrier in alignment with the chimney or roof window; fold the resulting 4 sides of the barrier up onto the 4 sides of the structure you are sealing and cut any loose sections at the top that protrude from the edges; fix the sides of the barrier using one of the recommended sealing tapes in the Riwega range (USB Tape 1 PE, USB Tape 1 PAP, USB Tape 2 BU, USB Sil Butyl); rest the corner of the AIR STOP ADT 100 against the corner of the chimney or window that remains uncovered by the USB Riwega barrier; remove the protective liner from the integrated adhesive strip and stick the edges of the AIR STOP ADT 100 directly onto the USB Riwega barrier. Finally, press firmly using the roller.

Technical data sheet	
Measurements	100 x 100 mm
Material	PET.PE.PET
Thickness	0,52 mm
Specific weight	285 g/m²
UV resistance	>500 h (>3 months)
Air pressure resistance	3,0 bar
Water pressure resistance	1,5 bar
Air layer equivalent to water vapour diffusion (DIN EN 1931)	Sd >39 m
Longitudinal tear resistance (DIN 527-3)	304 N/50 mm
Transversal tear resistance (DIN 527-3)	50 N/50 mm
Longitudinal elongation resistance (DIN 527-3)	23%
Transversal elongation resistance (DIN 527-3)	130%
Operating temperature	from -5°C to +90°C
Fire resistance class	E (EN 13501/1) / B2 (DIN EN 4102)
Colour	pink
Packaging	boxes of 20 pcs
Storage	store in a cool and dry place, away from direct sunlight for max. 24 months

FDB Vario / FDB Vario Plus

QUICK OVERVIEW: STRENGTHS

The tape with variable hygrometrics!

Tape in multilayer non-woven fabric coated with acrylic glue for perfect **air- and windtightness** of window and door frame joints.

It has a control function on vapour diffusion and water permeability.

Plaster-ready surface.

Also available in the **Plus version** for laying without a counterframe.

FDB Vario

Art. 75 mm ***02045807***
Art. Plus 75 mm ***020458071***
Art. 100 mm ***02045810***
Art. Plus 100 mm ***020458101***
Art. 150 mm ***02045815***
Art. Plus 150 mm ***020458151***

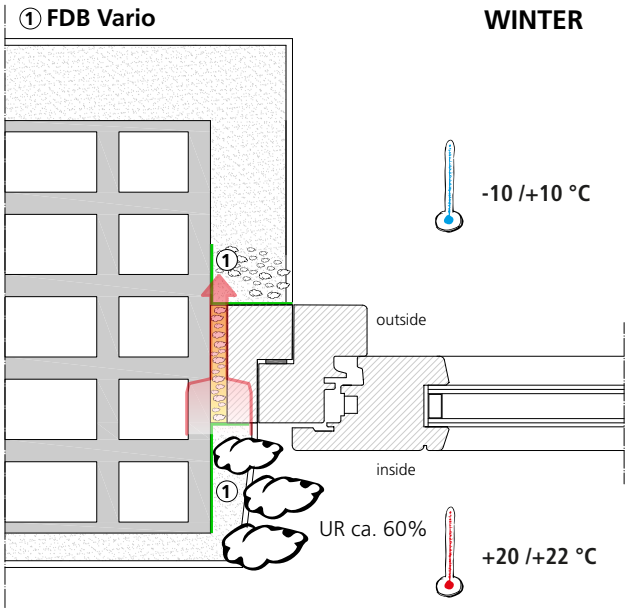
- Multilayer TNT PET.PA
- Acrylic glue
- Cutted silicone liner

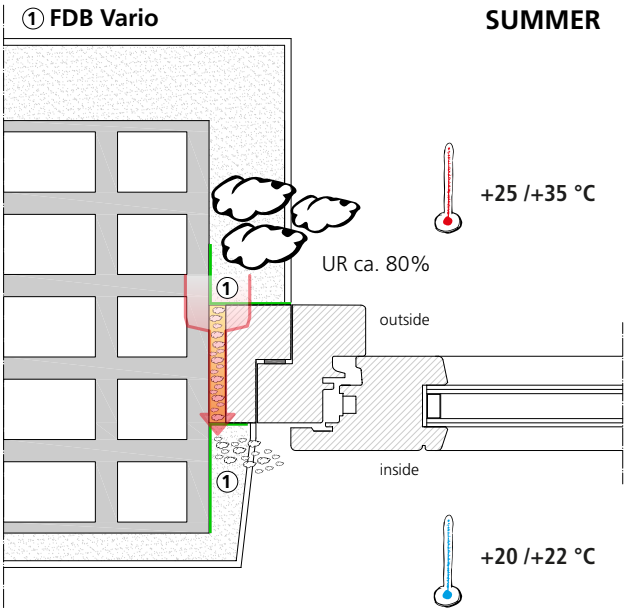
FDB Vario 75 **FDB Vario 100** **FDB Vario 150**

Description and use: white multi-layered (PET.PA) thermobonded tape with acrylic coating on the surface, with variable hygrometrics (Sd 0,2 - 20 metres). For laying at the joints between frames and walls to guarantee airtightness (internally) and windtightness (externally). The surface of the tape was designed especially for retaining plaster for covering the walls and the subframe, preventing the detachment and ensuing gap which provokes air dispersion.

Application: identify the surfaces to be sealed; make sure all surfaces are dry and free from dust and grease (alternatively, use USB PRIMER to treat the surface); after cutting the tape to the desired length, remove the protective liner from the acrylic adhesive tape, apply the adhesive surface to the border of the frame and press firmly with the roller along the entire surface of the adhesive tape so that the glue bonds properly. Then place the adhesive surface on the wall and press firmly with the roller along the adhesive tape so that the glue bonds properly.

Behaviour of FDB Vario in the critical season

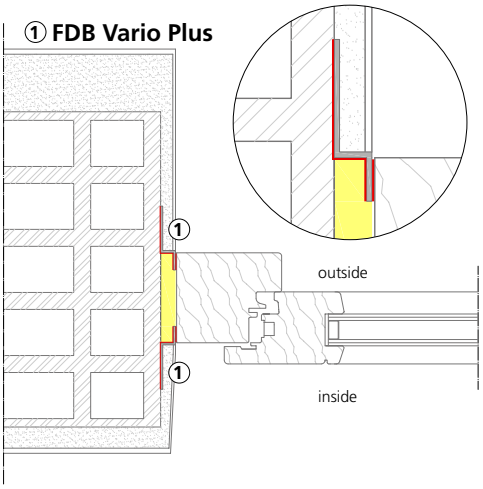




FDB Vario Plus

Solution without counterframe

- Silicone liner
- Acrylic glue
- Multilayer TNT PET.PA
- Acrylic glue
- Cutted silicone liner



FDB Vario Plus is a new version which offers, in addition to the completely adhesive side, an added strip of acrylic adhesive tape on the plasterable side; this permits application of the tape directly onto the frame for stabilizing application or application without a counterframe.

new product

Alternative use of FDB Vario for air proofing of the building envelope

Sealing the base of wood walls (whether frame or X-Lam)

Sealing vapour control layers to a plastered wall

Sealing a wood wall connecting to a plastered wall

Sealing a vapour control barrier applied to the interior of a roof when connecting to a plastered wall

Sealing a wood floor connecting to a plastered wall

Technical data sheet	FDB Vario 75 / FDB Vario Plus 75	FDB Vario 100 / FDB Vario Plus 100	FDB Vario 150 / FDB Vario Plus 150
Material	PET.PA		
Colour	white		
Width e Length	75 mm x 25 m	100 mm x 25 m	150 mm x 25 m
Weight	70 g/m²		
Thickness	0,30 mm		
Pre-cut liner	50 + 25 mm	75 + 25 mm	65 + 60 + 25 mm
Tear resistance	longitudinal 190 N/50mm - transversal 85 N/50mm (±15%)		
Elongation at break	longitudinal 25 % - transversal 35% (±15%)		
Sd value	0,2 - 20 m		
Water column / impermeability class	300 cm / W1 (EN 1928)		
Fire resistance class	E (EN 13501-1) / B2 (DIN 4102)		
Resistance temperature	-40°C/+80°C (working temperature > 0°C)*		
UV stability UV	3 months		
Packaging	5 x 25 m	4 x 25 m	2 x 25 m
Storage	store in a cool and dry place for max. 24 months		

*se necessario riscaldare il substrato

Riwega Srl is not responsible for negligent or improper use of its products.

FDB INT / EXT

QUICK OVERVIEW: STRENGTHS

Perfect tightness of window and door frame joints!

Multilayer tape for **controlling vapour diffusion and waterproofing as well as air- and windtightness.**

Perfectly **adaptable** to all surfaces thanks to different types of adhesive.

Plaster-ready surface for a perfect join between window/ door frames and walls, preventing all types of gaps.

FDB INT/EXT AC

- Non-woven fabric in PET.PE.PET (int) / PET.PP.PET (ext)
- Single acrylic adhesive tape
- Synthetic liner

FDB INT/EXT AC+AC

- Non-woven fabric in PET.PE.PET (int) / PET.PP.PET (ext)
- Double acrylic adhesive tape
- Synthetic liner

FDB INT/EXT AC+BU

- Non-woven fabric in PET.PE.PET (int) / PET.PP.PET (ext)
- Butylic tape / Acrylic tape
- Synthetic liner

Description and use: pink (INT) or white (EXT) thermobonded multi-layered fabric tape (PET.PE.PET) for laying on the internal join between the frame and the wall as a vapour barrier (Sd 39 metres) and as an airtight seal for the INT version, or on the external join between the frame and the wall as means of vapour diffusion (Sd 0.05 metres) and for windtightness for the EXT version. The surface of the tape has been specially designed as a base for the plaster which will be used to coat the wall and the frame, preventing it from peeling away and creating a gap which would cause air to seep through. The basic version (AC) has on one side a strip of adhesive acrylic tape for perfect adhesion to the frame; there are two versions (AC+AC and AC+BU) with two strips of adhesive (acrylic or butyl) for adhesion to all wall surfaces.

Technical data sheet	FDB INT	FDB EXT
Material	PET.PE.PET	PET.PP.PET
Colour	pink	white
Weight	160 g/m²	120 g/m²
Thickness	0,60 mm	0,55 mm
Tear resistance	longitudinal 385 N/50mm - transversal 95 N/50mm	longitudinal 375 N/50mm - transversal 75 N/50mm
Elongation at break	longitudinal 25 % - transversal 190 %	longitudinal 25 % - transversal 190 %
Air layer equivalent to water vapour diffusion - Sd	39 m	0,03 m
Water column	3000 mm	2000 mm
Fire resistance class	E (EN 13501-1) / B2 (DIN 4102)	
Resistance temperature	-40°C/+80°C	
UV stability	do not expose to UV rays	3 months
Storage	store in a cool and dry place for max. 24 months	

	75		100		150	
	Article	Packaging	Article	Packaging	Article	Packaging
FDB INT AC	02045512	5 x 30 m = 150 m	02045513	4 x 30 m = 120 m	02045514	4 x 30 m = 120 m
FDB INT AC + AC	02045522	5 x 30 m = 150 m	02045523	4 x 30 m = 120 m	02045524	4 x 30 m = 120 m
FDB INT AC + BU	02045532	5 x 25 m = 125 m	02045533	4 x 25 m = 100 m	02045534	2 x 25 m = 50 m
FDB EXT AC	02045612	5 x 30 m = 150 m	02045613	4 x 30 m = 120 m	02045614	4 x 30 m = 120 m
FDB EXT AC + AC	02045622	5 x 30 m = 150 m	02045623	4 x 30 m = 120 m	02045624	4 x 30 m = 120 m
FDB EXT AC + BU	02045632	5 x 25 m = 150 m	02045633	4 x 25 m = 100 m	02045634	2 x 25 m = 50 m

FDB Tape NET 60 / 90

Art. 60 mm ***02045750***
Art. 90 mm ***02045770***

- Silicone liner
- Acrylic glue
- Multilayer non-woven fabric con fibreglass webbing
- Acrylic glue
- Cutted silicone liner

QUICK OVERVIEW: STRENGTHS

The perfect seal between frames and insulation!

Tape in nonwoven fabric for interior or exterior joins between subframes and thermal insulation, breathable and **windtight**.

Provided with a **mesh base for plaster and plaster-ready surfaces** to prevent any sort of detachment or gaps.

Controls vapour diffusion and water permeability.

Description and use: white, thermobonded, breathable, windtight multi-layered fabric tape for laying on the internal and/or external join between the frame and the insulation layer. The tape's surface has been specially designed as a base for the plaster which will be used to coat the wall and the frame, preventing it from peeling away and creating a gap which would allow air to seep through. The tape's sealing capacity on the frame is guaranteed by integrated acrylic glue, while the seal on the wall surface is provided by a tape which has a mesh which will be covered over by the plaster. The integrated mesh, which joins the fine plaster mesh laid on the insulation layer, also has the job of preventing the formation of gaps between the insulation layer and the frame.

Application: identify the surfaces to be sealed; make sure all surfaces are dry and free from dust and grease (alternatively, use USB PRIMER to treat the surface); after cutting the tape to the desired length, remove the protective liner from the acrylic adhesive tape, apply the adhesive surface to the border of the frame and press firmly with the roller along the entire surface of the adhesive tape so that the glue bonds properly. At the plastering stage, apply a layer of plaster to the reveal of the door or window frame space and sub-merge the FBD Tape NET mesh in the plaster so that it adheres to the wall in a uniform way without folds; next, apply another layer of plaster to the desired thickness to cover both the mesh and the tape.

Technical data sheet	FDB Tape NET 60	FDB Tape NET 90
Material	PP.PE / fibreglass mesh	
Colour	white	
Standard width	60 mm + mesh 55 mm	90 mm + mesh 55 mm
Length	50 m	
Adhesive strenght of the acrylic glue	12 N/25 mm	
Air layer equivalent to water vapour diffusion (DIN 4108-3)	Sd 0,05 m	
Tightness against driving rain (DIN EN 1027)	≥ 600 Pa	
Compatibility with other building materials (DIN 52452)	verified	
Fire resistance class	E (EN 13501-1) / B2 (DIN 4102)	
Resistance temperature	-40°C/+100°C	
Working temperature	+5°C / +45°C	
UV stability UV	3 months	
Packaging	boxes of 3 rolls x 50 m	boxes of 2 rolls x 50 m
Storage	store in a cool and dry place for max. 12 months	

FDB Profile

Art. A11 ***02046011***
Art. W23 ***02046023***
Art. W29 Pro ***02046029***
Art. W29 Pro K ***020460291***

QUICK OVERVIEW: STRENGTHS

Perfect tightness of window/ door frame joints!

Profiles in **recyclable** plastic material, **self-adhesive** and provided with **expansive tape** and plasterable mesh.

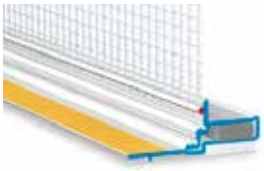
Designed for joints between windows/door frames and interior plaster or in conjunction with thermal insulation.

They guarantee thermal insulation, reduced acoustic transmission, and tightness against air and driving rain.

Description and use: Profiles in self-adhesive plastic material equipped with expanding seals and plaster-ready mesh, designed for the management of joints between the frame system and internal or external plaster, or for the connection to the thermal insulation. The profiles are equipped with a removable, self-adhesive blade, to which a protective sheet can be attached during the plastering phase. When the strip is removed, the plaster line is perfectly flush. The profiles are tight against driving rain in conformity with the EMPA test certificate no. 173557.

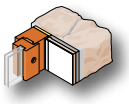
A11 - Profile for plastered connections to windows and doors as well as reconstruction with low level plaster. Replastering and interior finishing require connections to windows, doors and other construction elements that are perfectly tight and secure. The profile has a pressure seal that creates a durable and UV stabilized expansion joint. The plastic profile constitutes a permanent connection between plaster finishing and joint seal.

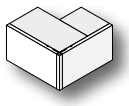
W23 - Profile for connection of fine plaster with mesh to windows, doors and other similar building elements. External walls with thermoinsulating systems require tight and secure internal and external connections to windows, doors and other similar building elements. The profile W23 with a pressure seal creates a durable and UV stabilized expansion joint. The profile in plastic constitutes a permanent connection between the fine plaster mesh and the sealing joint.

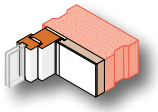


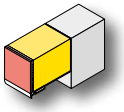
W29 Pro and W29 Pro K - Profiles for thermoinsulating systems with a seal in compressed PUR. The mesh profile W29 Pro is equipped with a compressed polyurethane seal which expands as needed, when the protective sheet is removed. This way it creates a decoupling of the plaster system and the frame structure of the building element. The profile is equipped with a welded mesh. To ensure better adhesion to the plaster, the front edge of the profile is rounded and ridged. The seal in compressed PUR is of adequate size, resistant to driving rain and protected by the front rib. The profile can be glued by means of the integrated acrylic tape. The W29 Pro profile has a fine mesh on the exterior side which is used for thermic insulation with thicknesses of more than 120mm (particularly for Climate Houses, Passive Houses and so on.) and for doors and windows subject to extreme expansion. The W29 Pro K is equipped with coarse mesh in the centre part, and is used for plaster systems which foresee rough plastering with thicknesses of more than 15mm.

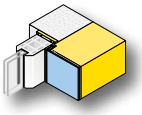
Upon request, other types of profiles can be supplied with various applications in buildings:

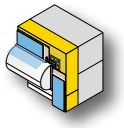
1  Interior plaster Windows, doors

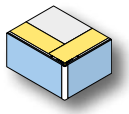
2  Interior plaster Corners

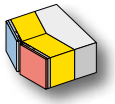
3  Exterior plaster Windows, doors

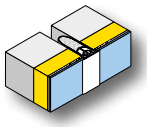
4  Thermal insulation Wall to floor joints

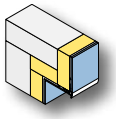
5  Thermal insulation Windows, doors

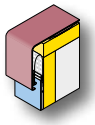
6  Thermal insulation Shutter connections

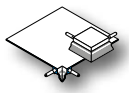
7  Thermal insulation Corners

8  Thermal insulation Crumbling plaster

9  Thermal insulation Expansion joints

10  Thermal insulation Drip moulding

11  Thermal insulation Roof/terrace joints

12  Accessories

Technical data sheet	A11	W23	W29 pro	W29 pro K
Art.	02046011	02046023	02046029	020460291
Material	plastic			
Mat. first seal	PE			
Mat. second seal	-		PUR	
Length (cm)	240			
Width (mm)	9	18	25	25
Thickness (mm)	5	6	10	10
Mesh width (mm)	-	250	125	125
Mesh position	-	outside	outside	central
Mesh size (mm)		4 x 4	4 x 4	6 x 6
Packaging	20 profiles – 48 m	25 profiles – 60 m	25 profiles – 60 m	25 profiles – 60 m

USB Tape Liquid

Art. **02040700**

QUICK OVERVIEW: STRENGTHS

The liquid seal for any application!

Monocomponent, adaptable to all types of surfaces.

Solvent and plastic free, it can be used for waterproofing and sealing critical points of the construction.

Totally water- and airtight.

Reinforced with fibre, no additional application of non-woven-fabric needed.

Description and use: one-component, fiber-reinforced, solvent- and plasticizer-free liquid waterproofing. Can be used to seal critical and complex details, which are difficult to solve with adhesive tapes or sealing strips.
Can be used under all weather conditions (also below 0°C on ice and snow free surfaces) and on slightly moist surfaces, as the moisture accelerates the drying time. Particularly indicated for the direct and easy application as emergency sealing on roofs, balconies, terraces and storage areas and for sealing rising components (chimneys, fans, systems, etc.) and connection areas on pitched roofs.

Application: The product ready for use and has to be worked with a brush, trowel or spatula. USB Tape Liquid should never be diluted! Stir well before use. Spread a generous amount of USB Tape Liquid on the dry surface (min.3 kg/m²). Air pockets, blisters and bumps should be avoided as much as possible and a smooth surface should be obtained. The product can also be applied as an emergency waterproofing on roofs that do not have a slope and where standing water must be expected (for example, water change zones, gutter areas, roofs, etc.). Before applying a new waterproofing membrane, the product should be removed. If this is not possible, the surface must be roughened with a wire brush or coarse sandpaper. The container should be closed well after use, the remaining product can be reused as described above.

Technical data sheet	
Material	PUR prepolymers
Contents	3,6 kg
Colour	grey
Coverage	ca. 3 kg/m² (depending on the surface)
Weight	ca. 1,27 g/cm³
Resistance to rain fall	immediatly
Skinning time	after about 1 h (ca.20°C / 60% UR)
Working temperature	also below 0°C on ice and snow free surfaces
Packaging	1 piece
Storage (intact product)	store in the original container in a cool, dry and frost-free place

Nastrator

Art. **05RUL004**

QUICK OVERVIEW: STRENGTHS

The automatic applicator for Riwega USB adhesive tapes!

Speedy application of adhesive tape with automatic **removal** and **rewinding of the liner**.

Perfect tape pressure on all surfaces.

Automatic cutting of the tape at the end of application.

USB Primer Spray

Art. **02040603**

QUICK OVERVIEW: STRENGTHS

The fastest primer in the world!

Primer for **stabilizing unstable and damp surfaces** before applying adhesive tapes or glue.

Perfect adhesion to multiple building materials (concrete, plaster, cement, wood, fibrous insulation, etc.).

Elevated adhesiveness and speedy drying even with low temperatures and elevated humidity.

Description and use: primer for stabilizing unstable and damp surfaces before the application of glues or adhesive tapes. Adheres to bricks, plaster, cement, wood, fibrous insulation, etc.Suitable for use in adverse climatic conditions (cold, humidity).

Application: Spray USB Primer SPRAY onto the surface to be treated at a distance of about 20cm, then protect the surface from humidity and dust. In the case of very porous surfaces, repeat the procedure a second time after the first coat is dry. After drying, you can proceed with the fixing of adhesive tapes or glues. After every application, stand the can on its head and spray until only the propellant gas and no primer comes out; this way, build-up of dried primer is avoided which could plug up the spray head.
By rotating the nozzle into one of the three positions (High, Medium, Low) it is possible to regulate the jet strength. Also, the direction of the spray jet can be changed from horizontal to vertical by rotating the spray head.

Spray head in vertical position

Spray head in horizontal position

Technical data sheet	
Material	synthetic rubber
Colour	transparent
Contents	500 ml
Recommended working temperature	from -10°C to +30°C
Thermal resistance	from -20°C to +80°C
Yield	ca.30-70 m con Width 60 mm (variabile a seconda della superficie)
Packaging	12 cans
Storage (intact product)	store in the original container in a cool and dry place for max. 12 months

Primers and solvents

Art. USB Primer ***02040600***
Art. USB Primer BIT ***02040601***
Art. THI Welding Liquid ***02010352***

USB Primer It is fundamentally important that the surface to be glued is clean and dry, as residues of water, humidity, frost, grease, dust or dirt will prevent the acrylic glue from adhering to the surface. Where the above residues are present, damp and/or dusty surfaces may be stabilized by using USB Primer. USB Primer must be used undiluted and applied with a brush or roller on the surface to be stabilized. It must then be left for ten minutes, after which time the Riwega sealing products can be applied. The coverage provided by a 500 ml can of USB Primer is approximately 3 m² (this varies according to the degree of absorbency of the surface).

Technical data sheet	
Material	synthetic rubber and organic solvent
Working temperature	from +5°C to +30°C
Viscosity	ca. 150 mPa.s
Solid content	20%
Contents	500 ml
Yield	ca.150-250 ml/m² (variabile a seconda della superficie)
Packaging	10 cans

USB Primer BIT Bituminous primer composed of oxidized bitumen, resins and pure, fast-drying solvents, used on concrete structures as a base coat adhesive primer, before heat laying bituminous self-adhesive membranes such as USB Coll 500 BIT and USB Coll Solar BIT. It is important that any concrete surfaces to be treated are dry and free from grease and dust. USB Primer BIT must be applied undiluted, with a brush or roller or sprayed. Drying time ranges from 2 to 4 hours depending on the porosity of the concrete, the thickness of the Primer layer applied and the surface and air temperature. The coverage provided by a 5 l can of USB Primer is approximately 25/30 m² (this varies according to the degree of absorbency of the surface).

Technical data sheet	
Appearance	brown liquid
Density at 20°C	1,00 ± 0,01 Kg/l
Contents	5 l
Dry residue	25%
pH a 20°C	11 ± 0,5
Drying time	ca.2 hours (depending on room temperature and applied thickness)
Yield	ca.200/300 g/m² (depends on the surface)
Working temperature	from +5°C to +35°C
Packaging	1 can

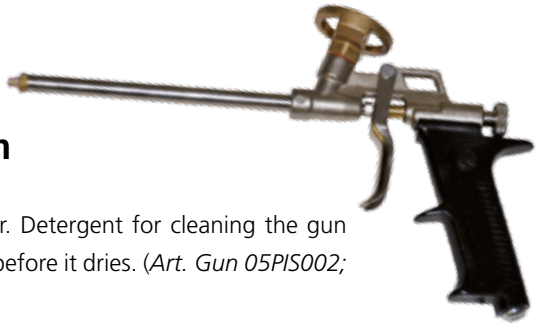
THI Welding Solvent tetrahydrofuran (THF) for cold welding of the breathable membrane USB Weld SK. The product is emptied into the appropriate dispenser equipped with a brush and is spread onto the two overlapping areas.

Technical data sheet	
Material	tetrahydrofuran (THI)
Contents	1 l
Viscosity	liquid
Weight	900 g
Bolling point	66 - 67°C
Applicator	dispenser in PE
Application temperature (recommended)	from +18°C to +20°C
Application temperature (workable)	from +10°C
Liquid colour	transparent
Yield	ca. 10 ml / linear metre (1 can of 1liter = 100 linear metres)
Storage	from +5°C to +25°C
Packaging	6 cans

Accessories for adhesives and sealants

Gun for tubes USB Sil Butyl

Gun suitable for applying USB SIL BUTYL and USB SIL in 600 ml tubes. A standard silicone gun can be used for applying these products in 310 ml cartridge containers. (*Art. 05PIS001)*



Gun and detergent for USB Foam

Gun suitable for applying USB Foam in 750 ml canister. Detergent for cleaning the gun after using with USB Foam and for removing USB Foam before it dries. (*Art. Gun 05PIS002; Art. Dertergent 05PIS003)*

Rollers

Another fundamental factor for ensuring that the glue adheres perfectly to the surface is to press firmly on the adhesive tape after laying it. The stronger the pressure placed on the tape, the more the acrylic glue will penetrate the membrane fibres or the pores in the surface to be glued, increasing the adhesive strength both immediately and over time. For the best results, it is recommended to use the roller for laying the tapes.

Roller with plastic handle and 5 cm wide **rigid plastic roller**, particularly suitable for laying adhesive tapes on smooth surfaces such as breathable membranes or vapour control layers/ barriers laid on rigid insulating panels, planking or wooden matchboard, smooth surface wooden panels, metals, etc. (*Art. 05RUL001)*

Roller with plastic handle and 5 cm wide **soft rubber roller,** particularly suitable for laying adhesive tapes on rough or irregular surfaces such as breathable membranes or vapour control layers/barriers laid on soft insulating panels, OSB boards and rough concrete surfaces. (*Art. 05RUL002)*

Roller with plastic handle and 11 cm wide **aluminium roller**, particularly suitable for laying butyl adhesive tapes USB COLL or AIR COLL. Its thin metal sheet structure efficiently presses the butyl glue onto the surface to be sealed. (*Art. 05RUL003)*

Supports compatibility sheet

Materials Support Surfaces / Products Division 3 Riwega	USB Tape 1 PE (all types)	USB Tape Strong	USB Tape UV	USB Tape Corner	USB Tape 1 PAP (X – X3)	USB Tape Reflex	USB Tape Vlies	USB Tape 2 AC / BOLD	USB Tape BU - BU/CO	USB Coll (all types)	USB Coll BIT (all types)	USB Sil Power Fix	USB Sil Butyl	USB Sil	USB Foam	USB Glue	GAE Universal (all types)	AIR Stop EPDM / M-TEC 6	AIR Stop Universal	AIR Stop ADT 100	FDB Tape	USB Tape Liquid	USB Primer / Primer Spray
General building materials																							
wood																							
timber panels/plywood																							
wooden fiberboards																							
fibre plaster boards																							
plasterboards																							
cement boards																							
concrete, bricks and plaster																							
bituminous surfaces																							
polystyrene panels (eps-xps)																							
mineral wood panels																							
glass wood panels																							
metals																							
rigid plastic																							
Breathable membranes and vapour control layers																							
vapour control layers with polypropylene surface																							
vapour control layers with kraft paper surface																							
vapours barriers with with polyethylene surface																							
vapours barriers with with aluminium surface																							
breathable membranes with polypropylene surface																							
breathable membranes with aluminium surface																							
breathable membranes with coated surface																							
breathable membranes with polyester surface																							

= COMPATIBILE PRODUCT

= ABSOLUTELY INCOMPATIBLE PRODUCT

= COMPATIBILE PRODUCT ONLY IF COMBINED WITH USB Primer

= COMPATIBILE PRODUCT ONLY IF COMBINED WITH USB Primer BIT

= VERIFY COMPATIBILITY WITH WORKING TESTS