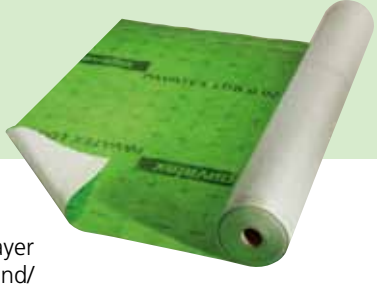
PAVATEX LDB 0.02

Vapour-open airtight membrane
with two-way integrated self-adhesive strips



PAVATEX LDB 0.02 is deployed as a retrofit airtightness layer when re-tiling roofs with unchanged under rafter insulation and/ or supplementation of the existing in-fill insulation with PAVAFLEX. A superposition with ISOLAIR L / ISOROOF-NATUR (minimum thickness 35 mm) or PAVATHERM-PLUS has to be carried out. The airtightness is produced by applying PAVATEX LDB 0.02 flat directly on the upper side of the rafter. The bonding of longitudinal joints is done using two-way integrated self-adhesive tapes. The airtight taping of transverse joints, connections and penetrations is done with PAVATEX air and wind-tight products. **PAVATEX LDB 0.02 can be freely exposed to weather for a week if mechanically secured.**

For the use of PAVATEX LDB 0.02 in walls please see the detailed PAVATEX installation instructions.

Advantages:

- Time saving through easy laying
- With two-way integrated self-adhesive strips
- Airtight membrane tested for airtightness
- Can also be used as breathable membrane in the roof overhang
- Very good tear resistance and nail pull-out resistance
- Can be exposed to weather for 1 week
- New marking that serves as cutting aid

Delivery form

Roll width	1.50 m
Roll length	50.00 m
Roll area	75.00 m²
Roll weight	13 kg

Storage

Rolls to be stored lying or standing in a dry place that is protected against exposure to the sun and moisture

Technical specifications

Material	three-coat polypropylene fleece
Thickness	0.72 mm
Diffusion resistance μ	28
s_d-value	0.02 m
Weight	180 g/m² (±10 g/m²)
Water resistance	W1
Temperature resistance	-40° bis +80° C
Minimum processing-temperature	±0° C
Fire properties DIN EN 13501-1	E
Extension	
long.	40 - 120%
trans.	30 - 140%
Maximum tensile strength	
long.	390 (± 60) N/5cm
trans.	240 (± 60) N/5cm
Nail tear strength	
long.	200 (± 70) N
trans.	250 (± 70) N
CE	
EN 13859-1	
EN 13859-2	

System products and installation instructions for PAVATEX LDB 0.02

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PAVATAPE 20
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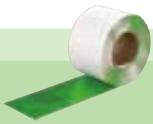

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Guidelines for professional installation:

The system is airtight, vapour-open and controls the humidity of the whole roof construction.
The installation of all system components is carried out according to the details stated in the technical documents.
Membranes must be loosely laid and/or overlapped. Avoid risk of stretching or tension by mechanically fixing.

Fixing longitudinal joints using the two-way integrated self-adhesive tapes.

① Roll out the first membrane across the top of the rafter and fix it in the overlapping area.
② Roll out the second membrane and align it with the overlapping line (10 cm from the membrane seam) avoiding wrinkles.
③ Simultaneously remove both protective foils and firmly press on the overlap by hand. This results in an air- and water-tight adhesive zone of 40 mm. Avoid wrinkle formation. If necessary, additionally tape creases with PAVAFIX 60.

Gluing of transverse joints with PAVATAPE 20

④ Apply tape approx. 50 mm from the membrane seam and press on firmly with roller.
Overlap next membrane by 10 cm and align.
Remove protective foil from PAVATAPE 20. Press on firmly using pressure roller.

Gluing of transverse joints with PAVAFIX 60 across rafter

⑤ Remove backing paper from PAVAFIX 60 and position and fix centrally on the overlap across rafter.
Continuously remove backing paper, fix PAVAFIX 60 avoiding wrinkles, press on firmly.

Fascia detail: Connection to eaves joist

⑥ ⑦ Connection of PAVATEX LDB 0.02 to an eaves joist glued in airtight between rafters with PAVATAPE 20 and PAVATAPE FLEX. On porous surfaces, it is advisable to apply PAVAPRIM or PAVABASE for pretreating the substrate.

Fascia detail: Connection to external masonry

⑧ Connection of PAVATEX LDB 0.02 to external masonry topped with render using PAVACOLL 310/600. PAVACOLL 310/600 can be applied even if the render is not fully dried.

⑨ Press PAVATEX LDB 0.02 onto the adhesive bead. The bead must remain at least 2 cm thick.

Connect pipe penetration airtight with PAVAFIX 60

⑩ Start at the lowest point of the bonding. First fix half of PAVAFIX 60 onto the pipe and then fix it to the membrane and press on firmly.
Following units to be positioned around the penetration with an overlap of approx. 20 mm.

Connect pipe and chimney penetration in an airtight manner with PAVATAPE FLEX

⑪ Unroll tape, remove backing paper, apply evenly and press on by hand. Ensure that PAVATAPE FLEX is not overstretched.

PAVATEX Air and Wind-Tight Products

and their applications at a glance...

	Butyl tapes			Acrylic tapes		Adhesives
	PAVATAPE 75/150	PAVATAPE FLEX	PAVATAPE 20	PAVAFIX 60	PAVAFIX SN BAND	PAVACOLL 310/600
Gluing onto PAVATEX wood fibre boards						
ISOLAIR L/ISOROOF-NATUR	👍*	👍*				👍
PAVATHERM-PLUS	👍*	👍*				👍
PAVATEX under-roof board bituminised	👍*	👍*				👍
PAVISO [1]	👍*	👍*				
PAVAROOF-K [1]	👍*	👍*				
PAVAROOF-W Plus [1]	👍*	👍*				
PAVAPLAN 3F [1]	👍*	👍*		👍		
Gluing onto PAVATEX membranes						
PAVATEX LDB 0.02		👍	👍	👍		👍
PAVATEX ADB	👍	👍	👍		👍	👍
PAVATEX DSB 2		👍	👍	👍		👍
PAVATEX DB 3.5		👍	👍	👍		👍
PAVATEX DB 28		👍	👍	👍		👍
PAVATEX RSP		👍	👍	👍		👍
At connections and penetrations/joint gaps adhering together on...						
Chipboards	👍*	👍*	👍*	👍		👍
Medium-density wood-fibre boards	👍*	👍*	👍*	👍		👍
OSB	👍*	👍*	👍*	👍		👍
Timber, planed	👍*	👍*	👍*	👍	👍	👍
Timber, raw	👍*	👍*	👍*	👍*	👍	👍
Cement-bonded chipboards	👍*	👍*	👍*	👍*		👍
Plasterboards	👍*	👍*	👍*	👍*		👍
Gypsum-fibre boards	👍*	👍*	👍*	👍*		👍
Concrete, smooth	👍*	👍*	👍*	👍*		👍
Plaster, mortar, gypsum	👍*	👍*	👍*	👍*		👍
Concrete, rough	👍*	👍*	👍*			👍
Bricks	👍*	👍*	👍*			👍
Metals, corrosion-protected	👍	👍	👍	👍		👍
Plastics (PE and PVC)	👍	👍	👍	👍		
Bitumen	👍	👍	👍			

(When in doubt, one needs to carry out one's own gluing attempts)

* substrate needs to be pretreated with PAVAPRIM or PAVABASE

[1] Only sold in CH