Building Material Scout

# Product Verification

## Sustainability

according to BNB BN 2015
according to BREEAM International New Construction 2016
according to DGNB NBV 2015
according to DGNB Gebäude Neubau 2018
according to LEED Building Design and Construction V3 (2009)
according to LEED Building Design and Construction V4 (2015)

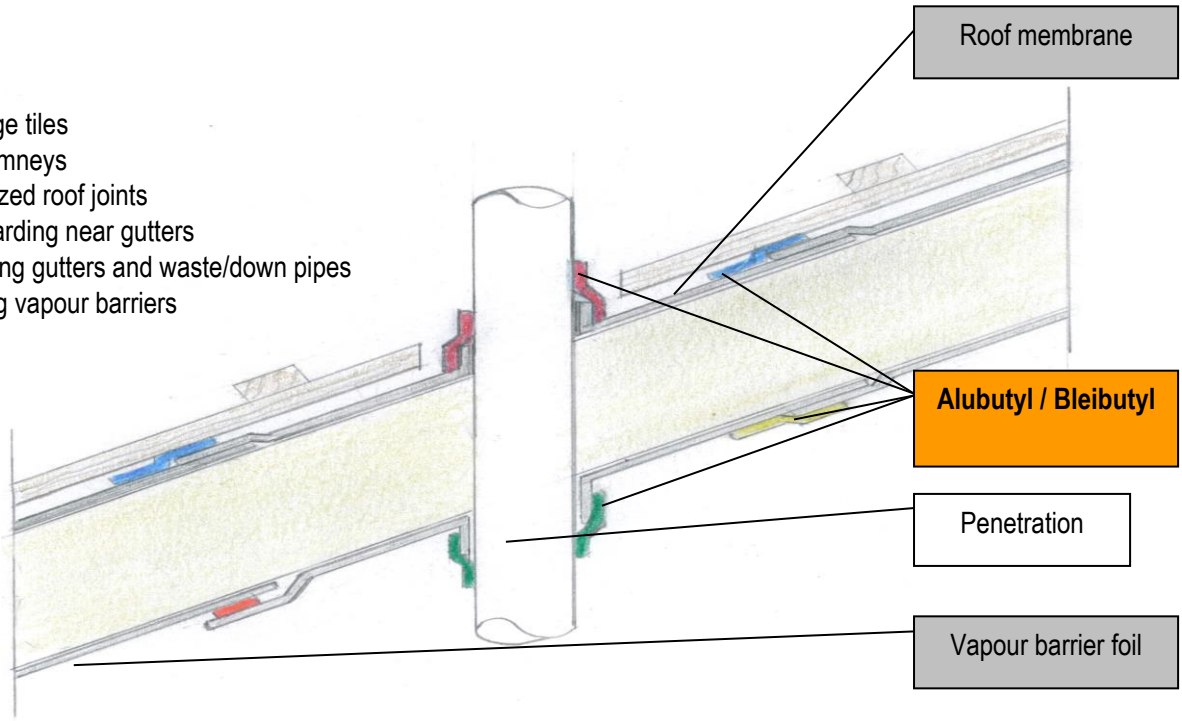
**Product description:**
Water and airtight sealing tapes, consisting of a cold-self-bonding butyl rubber adhesive combination applied to an aluminium or lead coloured protective film. The butyl adhesive is protected by siliconated cover foil which can be easily removed.
Alubutyl / Bleibutyl has an immediately high direct initial tack, whereas the final bonding strength is achieved after around 24 hours. For permanent UV- and weather protection we recommend a covering.

**Technical data:**

| | | |
|---|---|---|
| Thickness | approx. 0.8 mm | |
| Colour of the protective film | aluminium or lead coloured | |
| Roll length | 10 m | |
| Width | 10 mm to 1000 mm | |
| Watertightness | Pass | EN 1928, internal |
| Watertightness after ageing | Pass | EN 1928 + EN 1847, internal |
| Tear Resistance | ≥ 40 N | EN 12310-2, internal |
| Moisture resistance factor | μ ≥ 300 000 | EN 1931, internal |
| Elongation at break | ≥ 20 % | EN 12311-2 |
| Tensile strength | 90 N/mm² | ASTM D 882 |
| Peel adhesion 180 ° | ≥ 11 N / 10 mm | ASTM D 3330 |
| Solid body content | 100 % | |
| Temperature resistance | - 20 °C to + 70 °C | |
| Processing temperature | + 5 °C to + 30 °C | |
| Reaction to fire | Class E | EN 11925-2 + EN 13501-1, internal |

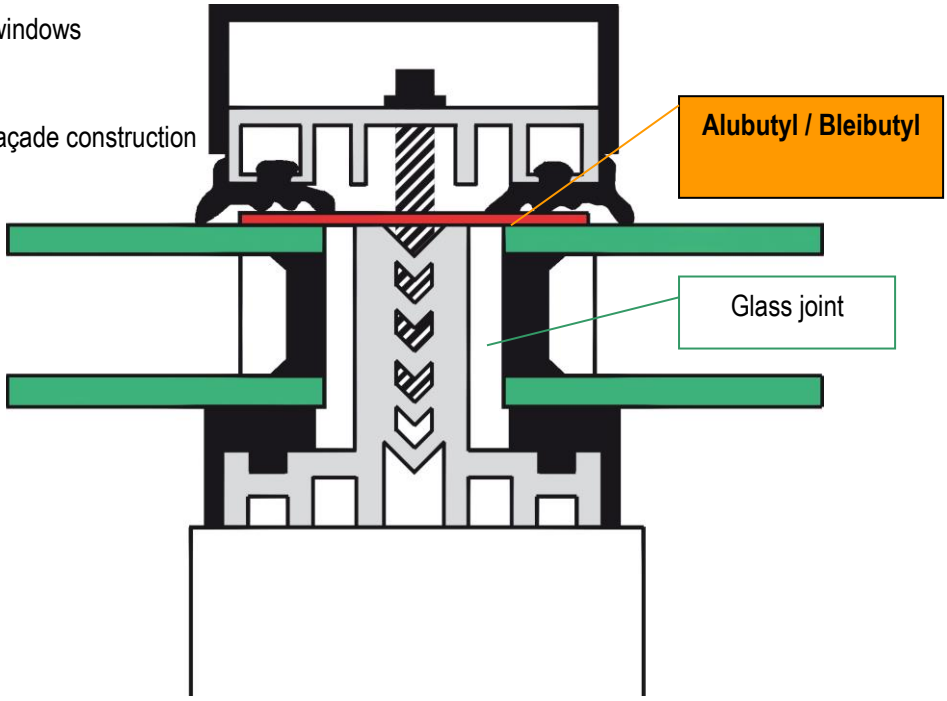
**Applications:**
Roofing seals:

- on ridge tiles
- on chimneys
- on glazed roof joints
- on boarding near gutters
- repairing gutters and waste/down pipes
- sealing vapour barriers




External facing seals:

- on joints around doors and windows
- on verandas
- on conservatories
- tightening of glass joints in façade construction




Pipe lining in industrial, plumbing and air conditioning applications:

- on thermally insulated pipes
- on air conditioning pipes
- on ventilation system pipes

When using as a water-protective seal, ensure that there is no possibility of standing water accumulating on the sealing tape.

**Processing notes:**
Alubutyl and Bleibutyl provide ideal adhesion on the following subsurfaces: All current building supports, especially like concrete and coatings that contain hydraulic binders, tiles, bricks, metals, especially aluminium, metals, glass, with water-based paints treated wood, PVC. The user must ensure that the adhesive is compatible with the subsurface in terms of adhesive strength, paint compatibility and chemical compatibility (perform own tests).
In addition, the subsurface must be clean, dry and free of dust. Porous and absorbent subsurfaces must be pre-treated with **Multi Primer**. If bituminous adhesive tapes are to be replaced by Alubutyl or Bleibutyl, the subsurface must be cleaned of all bitumen remnants. Traces of grease must be removed with a suitable solvent.
Pull off the cover foil from the layer of adhesive on the rear, and press the Alubutyl or Bleibutyl down. Once fixed in place, continue pulling off the cover film at the same time as continuing to press the product down hard to prevent the formation of air bubbles.
To prevent any tensions and loss of adhesive strength, you must ensure that the Alubutyl and Bleibutyl take on the contours of the subsurface once fitted. After fitting, therefore, Alubutyl and Bleibutyl must be pressed down hard into the subsurface (use a pressure roller). When connecting two tapes, count with an overlap of at least 5 cm.
Alubutyl and Bleibutyl can be painted over with a suitable paint (perform own tests).
Butyl adhesive tapes are by their nature plastic and have no elastic characteristics. They are not suited for continuous heavy mechanical loads and cannot replace the use of assembly adhesives or mechanical fixings. The mechanical load that may be applied to butyl rubber adhesives reduces as the temperature increases. Adhesive tapes with butyl rubber adhesive are sensitive to solvents.

**Storage:**
12 months from date of manufacture in sealed original packaging at a maximum of 30 °C and protected against damp. The storage area must be properly ventilated. There is a tendency for the cover paper to adhere strongly to the butyl adhesive if the storage temperature exceeds 30 °C.

**Safety:**
Keep away from children. If in doubt, consult the safety data sheet.



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