

Technical Information

Aluminum Strip with 4 Layers

Technical data sheet

Special 4-ply laminate adhesive tape
Specially designed for CLAD ALU / Isolpak ALU

Characteristics:

- For sealing the intersections of insulation materials or, for example, materials with aluminum-colored surfaces
- **0.00 PERM [ASTM E 96]**
- Coated with acrylic adhesive that adheres very well to standard aluminum-clad systems
- Resistant to UV and weathering through special carrier I combination with acrylic adhesive
- Widths of up to 1,000 mm available, therefore suitable for large-scale systems, e.g. for industrial equipping of insulating materials
- Suitable for many insulating systems and secure seam bonding, even in subsequent moisture onset
- Functions as a water vapor barrier
- Strong adhesive suitable for construction sites
- Easy application at low temperatures
- Very good resistance to cold and heat
- Solvent free
- **Resistant to ageing**



Properties of the tape/foil:

Carrier: 4-layer special composite film made of special thermoplastic, aluminum and PET
Adhesive: acrylic
Liner: siliconized release paper

Technical data:

| Property | Norm | Unit | Value |
|--|--------------|------------------------|---------------------|
| Thickness | DIN EN 1942 | mm | 0,12 |
| Width | | mm | 25, 38, 50, 75, 100 |
| Length | | m | 25, 50 |
| Elongation at break | DIN EN 14410 | % | 50 |
| Tensile strength | DIN EN 14410 | N/cm | 65 |
| Adhesion on steel | DIN EN 1939 | N/cm | 12,0 |
| Temperature stability | | °C | -40 to +120 |
| Water vapour permeability | AFERA 4002 | g/m ² x 24h | < 1 |
| The concerned tape backing contains 2 x 10µm alu foil in alloy 8079. Technically a 10µm alu foil is water vapor tight, but it can contain up to 30 pinholes per m ² which can affect a minimal measurable water vapor permeability. The backing contains 2 x 10µm alu foil which makes the laminate water vapor and oxygen tight. We have measured the water vapor permeability in-house with different methods and the result in all tests was 0 perm. Hereby we can confirm the water vapor and oxygen tightness of the concerned tape backing. | | | |

Our products are the result of fundamental research. They correspond to the latest technical standard. For their useful application we give data and technical information to the best of our knowledge but, however, without any warranty. In special cases the user shall make his own tests to determine the suitability of the products for his purpose.