

KISO 502 TEARPROOF-ALU-BUTYL TAPE

KISO 502 TEARPROOF-ALU-BUTYL TAPE is a grey rubber-based extruded self-adhesive butyl sealing strip, laminated with a fixed foil backing. The butyl has high adhesive properties making it suitable for a wide range of external sealing applications.

Outstanding ageing properties – excellent for outdoor seals

KISO 502 is a high performance, tear resistant single-sided butyl strip with a non-reflective foil laminate. This makes KISO 502 ideal for sealing applications where non-reflectivity is required, such as on the roof, glass facades and conservatories. Where nails, screws or other fixings penetrate the sealing strip the tearproof qualities of the foil ensure the integrity of the seal. The product adheres very well to most building materials and is also used as a flashing tape on roofs, out-buildings and chimneys. It also provides an excellent repair tape on gutters and downspouts.



Advantages

- High-performance aluminium foil
- Tear and puncture resistance
- Non-reflective fixed laminate
- Air and watertight
- Good acoustic dampening qualities
- Good adhesion to a wide variety of substrates
- Non-hardening, remaining flexible throughout its service life
- Excellent UV resistance
- Simple, quick and clean application
- Very good aging properties
- Long service life, estimated at 30 years *(depending on application)*

TECHNICAL DATA

KISO 502 TEARPROOF-ALU-BUTYL TAPE is a rubber-based extruded self-adhesive butyl sealing strip, laminated with a fixed foil backing. The product is offered in various dimensions.

Technical Features, Butyl: KISO 701 grey

	Unit	Nominal Value	Test Method
Compression 50%	kN/m²	130	KISO 5
Peel Adhesion 90°	N/cm	13	KISO 16
Strain Peak Force, F_{max}	kN/m²	50	KISO 5
Density	g/cm³	1.60	KISO 2
Service Temperature Range*	°C	-30 / +80	KISO 28

KISO - KISO Test Method | *Depending on application

Technical Features, Tearproof HDPE Aluminium Foil (GREEN)**

	Tolerance (Micron)
5g/m² Green Lacquer**	-0.5 - +0.5
19 Micron Fully Annealed Aluminium Foil	-4.0 - +4.0
75 Micron White Tear Resistant HDPE Foil	-7.0 - +7.0

	Unit	Nominal Value	Test Method
Tear Resistance – MD (Machine Direction)	N	33.1	ASTM D882
Tear Resistance – CD (Cross Direction)	N	33.9	ASTM D882
Breach Puncture	Kg/cm	40.1	ASTM D882

**Other colours available on request

Technical Features, Aluminium Foil

	Thickness (Micron)	Tolerance (Micron)
PET	12	+/- 10%
Aluminium Foil	12	+/- 10%
PET	12	+/- 10%

	Value	Unit	Test Conditions	Test Method
Oxygen Barrier O_2	<0.1	Cm³/m²/24h	0% Rh, 23°C	ASTM D3985
Water Barrier WVTR	<0.1	g/m²/24h	90% Rh, 38°C	ASTM F1249

Important when applying KISO 502 TEARPROOF-ALU-BUTYL TAPE

- All surfaces MUST be clean, dry and free from dust, grease and loose materials. Propan-2-ol is recommended for cleaning (of smooth surfaces). Make sure the surface is allowed to dry prior to application of the butyl sealing strip

Note:

The Technical Data above are based on laboratory tests performed at KISO. The Technical Features are to be regarded as target values. Properties quoted are typical and does not constitute a specification nor an explicit or implicit warranty. Due to the large variability in application conditions it is advisable that the product is tested by the user to establish suitability for the intended use.