

TECHNICAL DATA SHEET

KISO 502 TEARPROOF-ALU-BUTYL

Date: 8/9/2020

Version 10

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Product

KISO 502 TEAR-PROOF-ALU-BUTYL is a rubber based extruded and self-adhesive butyl sealing strip with tear-proof alufoil.

Key Features

- Good adhesion to metal, glass, wood and concrete
- Excellent UV resistance
- No fumes, solvent free and free from harmful substances
- Tear-proof
- Water and air repellent
- Noise reducing
- Non hardening, remains flexible throughout service life
- Leaves hands and surfaces clean

Areas of application – *Subject to test (see below)*

- Glass facades
- Aluminium facades
- Sealing of joints on roofs and chimneys, downspouts and gutters
- Sealing of duct flanges in HVAC systems

Technical Features, Butyl: KISO 558 BUTYL Strong Adhesion

	Unit	Nominal Value	Test Method
Compression 50%	kN/m ²	100	KISO 5
Peel Adhesion	N/cm	>19	KISO 13
Density	g/cm ³	1.50	DS/ISO 2781A
Needle Penetration (23°C)	dmm	80	ASTM D 5 (adjusted)
Service Temperature Range	°C	-30 - +80	

KISO - KISO Test Method

Technical Features, Tear-Proof Aluminium Foil (Grey-green)

			Tolerance (Micron)
5g/m ² Grey/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

Standard Dimensions and Packaging

KISO 502 TEAR-PROOF-ALU-BUTYL is supplied as a preformed profile with tear-proof aluminium foil on a siliconized LDPE Foil. The product is offered in various dimensions. The number of meters per roll and rolls per carton is determined by product dimensions and customer requirement.

The aluminium foil is 5 mm wider than the nominal width of the butyl.

Available colours, butyl: Black, white, grey and blue.

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Application

Application temperature: > 5°C (15°C - 25°C recommended)

Surface preparation: All surfaces should be clean, dry and free from dust, grease and loose materials. Propan-2-ol is recommended for cleaning (smooth surfaces). Make sure the surface is allowed to dry prior to application of the butyl strip. Porous surfaces should be pre-treated with a suitable primer.

Application: Apply by hand directly from the reel; remove the protection foil and apply the butyl on the surface. Press firmly.

Shelf life: At least 2 years from date of manufacture under cool and dry storage conditions.

Service life: Estimated 30 years*.

Disposal: The product is not biodegradable, do not disperse it in the environment after use.

*Depending on application

Tolerances – butyl and aluminium foil

Rectangular Profiles:	Width (mm)	Unit	Tolerance (+/-)*
	- 2.5	mm	0.35
	2.6 - 4.0	mm	0.40
	4.1 - 6.3	mm	0.50
	6.4 - 10	mm	0.70
	11 - 16	mm	0.80
	17 - 25	mm	1.00
	26 - 150	mm	2.00
	*DIN 7715 T3 class E2		
	Thickness: +/- 10%*		
	*DIN 7715 T3 class E1 or better		
Length (All Profiles):	+/- 1.5%		

Test

KISO can neither ascertain nor warrant that the Product is suitable for the specific purpose, interacts with the substrate or other material in the construction, construction method used or application chosen by the Purchaser in a way and with a result desired or anticipated by the Purchaser. Therefore, the Purchaser shall conduct and perform any such tests, studies and analysis of the Product to ascertain whether the Product is suitable for the Purchaser's production process and end products and / or application. KISO merely and exclusively warrants that the Products comply with the sections Technical Features, Standard Dimensions and Packaging, Application and Tolerances stated in this Specification. Characteristics of the Product that are not specified in this Specification are not warranted.

More information

For further information, please contact our Sales Team or send us an e-mail at kiso@kiso.dk