

TECHNICAL DATA SHEET

KISO 506 ALU-BUTYL + FLEECE

Date: 10/12/2018

Version 3

Page 1 of 3

Product

KISO 506 ALU-BUTYL + FLEECE is a rubber based extruded self-adhesive butyl sealing strip laminated with a tear resistant aluminum foil on the weather side and a 20 mm PP nonwoven fleece centered on the inside.

Key Features

- Good adhesion to a wide variety of surfaces
- Excellent UV resistance
- No fumes, solvent free and free from harmful substances
- Leaves hands and surfaces clean
- Water and air repellent
- Non hardening, remains flexible throughout service life
- PP Nonwoven fleece to aid reliable mechanical fixings

Areas of application

- Water sealing in mobile homes, motorhomes and caravan construction
- Sealing of joints in roofing and cladding systems, containers, cold stores
- Air and water sealing for compression joints and seams
- Sealing of duct flanges in HVAC systems

Technical Features, Butyl: KISO 358 BUTYL Superior

	Unit	Nominal Value	Test Method
Compression 50%	kN/m ²	110	KISO 5
Peel Adhesion	N/cm	>12	KISO 13
Strain Peak Force, Fmax	kN/m ²	35	KISO 5
Density	g/cm ³	1.60	DS/ISO 2781A
Needle Penetration (23°C)	dmm	70	ASTM D 5 (adjusted)
Service Temperature Range	°C	-30 - +80	

KISO - KISO Test Method

TECHNICAL DATA SHEET

KISO 506 ALU-BUTYL + FLEECE

Date: 10/12/2018

Version 3

Page 2 of 3

Technical Features, Spunbond Non-Woven Fleece

Fibre Composition	Polypropylene		
Colour	White		
	Unit	Nominal Value	Test Method
Weight	g/m ²	40	WSP 130.1
Breaking Strength – MD (Machine Direction)	N	95	WSP 110.4
Breaking Strength – CD (Cross Direction)	N	60	WSP 110.4

Technical Features, Aluminium Foil

	Tolerance (Micron)
12 Micron Polyester	-1.7 - +1.7
18 Micron Fully Annealed Aluminium Foil	-0.5 - +0.5
12 Micron Polyester	-1.7 - +1.7

Standard Dimensions and Packaging

KISO 506 ALU-BUTYL + FLEECE is a rubber based extruded, self-adhesive butyl sealing strip laminated with a tear resistant aluminum foil on the weather side and a PP nonwoven fleece centered on the inside. The product is offered in various dimensions. The number of meter per roll and rolls per carton is determined by product dimensions and customer requirement.

Available butyl colours: Black, white, grey and blue (other colours on request).

Application

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

Surface preparation: All surfaces MUST 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 tape.

Application: Apply by hand directly from the reel; apply the sealant firmly on one surface, remove the protection paper and apply the other surface on the strip 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, please dispose of in accordance with local regulations.

*Depending on application

TECHNICAL DATA SHEET

KISO 506 ALU-BUTYL + FLEECE

Date: 10/12/2018

Version 3

Page 3 of 3

Tolerances – butyl, aluminium and fleece

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		
Round Profiles:	All Diameters: Calculated weight +/- 10%		
Length (All Profiles):	+/- 1.5%		

More information

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

Note:

The information in this Technical Data Sheet is based on laboratory tests performed at KISO. The Technical Features are to be regarded as target values. Properties quoted are typical and do 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.