

# TECHNICAL DATA SHEET

## KISO 659 RADONBUTYL

Date: 11/1/2021

Version 3

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### Product

KISO 659 RADONBUTYL is a rubber based preformed extruded butyl tape developed specially sealing radon barrier membranes.

### Key Features

- Good adhesion to a wide range of substrates
- Excellent movement capability
- Especially good adhesion to EPDM products
- Provides a water and airtight seal
- Remains flexible throughout service life
- Very soft and extremely tacky

### Areas of application

- Sealing joints in membranes for Radon barriers
- Sealing membranes for very challenging substrates
- Sealing when application is in cold and/or damp conditions
- Sealing onto substrates with a general low adhering property, like EPDM
- Sealing despite challenging weather conditions
- Especially useful for high spec applications
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### Technical Features

	Unit	Nominal Value	Test Method
Compression 50%	kN/m <sup>2</sup>	80	KISO 5
Peel Adhesion	N/cm	>15	KISO 13
Strain Peak Force, Fmax	kN/m <sup>2</sup>	35	KISO 5
Density	g/cm <sup>3</sup>	1,50	DS/ISO 2781A
Needle Penetration (23°C)	dmm	80	ASTM D 5 (adjusted)
Service Temperature Range	°C	-30 - +100	
Aged Extension Test (100°C)		No deformation or fracture	KISO 16

KISO - KISO Test Method

### Standard Dimensions and Packaging

KISO 659 RADONBUTYL is supplied as a preformed tape on a siliconised release paper or film. 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. Is presently offered as a singlesided product due to strong adhering properties towards the tight release liner on siliconized materials.

**Available colours:** Black and grey

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### 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 to the butyl strip. 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, Dispose of carefully in accordance with local regulations.

\*Depending on application

### Tolerances

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%

### 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](mailto:kiso@kiso.dk)

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