

TECHNICAL DATA SHEET

KISO 141 EPDM 3-top, 4-top, L and crown profiles

Date: 15/4/2021

Version 8

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Product

KISO 141 is an extruded EPDM closed cellular rubber sealing strip with a glass fibre scrim carrier tape.
















Key Features

- Excellent adhesion to dry surfaces
- Excellent ozone resistance
- Free from harmful substances
- Good resistance to solvents, poor resistance to oil
- Service Temperature Range: -20°C – +75°C
- Water and air tight
- Water absorption is negligible
- Approved by MTK* (4x8, 4x9, 4x10, 5x10, H5x10, H6x10)
- For factory as well as on site glazing
- Approved by RISE according to P-marking regulations

Areas of application

- Ensuring water and air tightness between frame and insulating glass and between insulating glass and beads in wooden windows
- Ensuring water and air tightness between fixed frames and insulating glass and between insulating glass and beads in wooden conservatories
- Draught excluder for older windows and doors

Technical Features

Profile Dimension	Profile Colour	Profile type	Compression 25% (N/m) Nominal Value	Compression 40% (N/m) Nominal Value	Test Method
2 x 8 	Black	4-top	219	440	KISO 7 ¹
2 x 15 	Black	5-top	219	440	KISO 7 ¹
3 x 8 	Black	3-top	177	368	KISO 7 ¹
3 x 9 	Black	4-top	106	252	KISO 7 ¹
3 x 12 	Black	4-top	106	252	KISO 7 ¹
L 3 x 12 	Black	4-top	273	533	KISO 7 ¹
3 x 15 	Black	5-top	210	413	KISO 7 ¹
4 x 8 	Black	4-top	321	636	KISO 7 ¹
4 x 9 	Black	4-top	160	325	KISO 7 ¹
4 x 10 	Black	4-top			KISO 7 ¹
4 x 15 	Black	4-top			KISO 7 ¹
4 x 20 	Black	5-top			KISO 7 ¹
5 x 10 	Black	4-top			KISO 7 ¹
H 5 x 10 	Black	3-top	230	434	KISO 7 ¹
H 6 x 10 	Black	3-top			KISO 7 ¹
8 x 15 	Black	4-top			KISO 7 ¹

KISO - KISO Test Method

The above table shows Compression Values for selected profiles. KISO range of 141 profiles includes multiple profiles. Compression values for these may be provided upon request.

¹ MTK Compression set (value) SS818134 p. 3.2.1 (adjusted)

* MTK is a committee created and "owned" by the glass manufacturers and the glaziers associations in Sweden. MTK is testing and approving glazing materials for installation of Insulated Glass Units. For suppliers to Scandinavian window manufacturers approval from MTK is a prerequisite.

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Technical Features

	Unit	Nominal Value	Test Method
Density	g/cm ³	0.32	DS/ISO 2781A
Hardness in shore 00, black	Shore 00	50	ASTM D2240
Hardness in shore 00, white	Shore 00	50	ASTM D2240
Peel Adhesion (180° peel), Stainless Steel – 24 hrs.	N/cm	10	DIN EN 1939 with 100 mm/min.

Technical Features - Tape

	Unit	Nominal Value	Test Method
Thickness (liner exclusive)	mm	0.21	TATM

TATM – Test method According to Tape Manufacturer

Standard Dimensions and Packaging

KISO 141 EPDM is supplied in various profiles. Each profile is offered in several dimensions. The number of meter per roll and rolls per carton is determined by product dimensions and customer requirement.

Available profiles: 3-top, 4-top, L and crown profiles

Available colours: Black, white, grey and brown

Profiles may be supplied without tape on customer 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. Make sure the surface is allowed to dry prior to application of the sealing strip.

Application: Apply by hand directly from the reel; remove the release paper and apply the sealing strip to the surface. Press firmly, but ensure not to stretch the rubber during application. Automated application may be possible when the profile is supplied with suitable release paper/foil.

Shelf life: At least 9 months from date of manufacture under normal storage conditions.

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

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Tolerances

141 Profiles, EPDM and tape:	Height and 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		
Length (All Profiles):	Reel length (m)		Tolerance (+/-)*
	- 100		2%
	100 -		1%
Tape placement:	To the edge of the profile (exclusive tearing edge)		

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