



Industrial & Automotive Rubber Products



For over 40 years, Kopak has been providing solutions to Industry in Rubber Products. We are specialists in providing a comprehensive technical source of products made from Natural and synthetic polymers including EPDM, Neoprene, Nitrile, Pvc, Silicone and most other types of compound.

- Seals & Gaskets
- Flexible Extrusions
- Rigid Extrusions
- Dual Compound Extrusions
- Electrical Rubber Matting
- Mouldings
- Sponge-Foam-Solid Sheet & Strip
- Self Adhesive Backing

In particular, we have unrivalled expertise in the supply and manufacture of Rubber profiles. These are used by a wide range of industries including:

- Automotive
- Glass & Glazing
- Windscreen Replacement
- Construction
- Engineering
- Transportation

RUBBER SEALING SOLUTIONS FOR INDUSTRY

Our Technical staff are available for expert guidance and help in determining the design, material selection and availability of the product, to give you the optimum choice.

Our flexible approach to the needs of our customers is the key to our service. We can supply small batch production runs or continuous high volume products, many of which are available from our comprehensive range of standard stock products.









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NR - Natural Rubber

A material with excellent physical properties, natural rubber has good abrasion and low temperature resistance, however it is not resistant to oils, fuels or UV exposure.

Temperature range: -60° C to $+75^{\circ}$ C Hardness Shore A: 50° C to 80° C

EPDM - Ethylene Propylene Diene Monomer

This is a material with good physical properties that include excellent resistance to UV, many chemicals, steam and ageing. It is not, however, compatible with oils or fuels.

Temperature range: -50°C to +130°C Hardness Shore A: 50°C to 80°C

CRN eoprene - Polychloroprene Rubber

Chloroprene rubber is fairly resilient when in contact with oils and chemicals, but has exceptional resistance to UV. This material also has excellent flame retardation qualities.

Temperature range: -40°C to +95°C Hardness Shore A: 50°C to 80°C

NBR Nitrile - Acrylonitrilebutadiene Rubber

A material with exceptional resistance to oils and good resistance to fuels, but is not suitable for applications with prolonged exposure to UV.

Temperature range: -20°C to +100°C Hardness Shore A: 50°C to 80°C

PVC

PVC is an excellent material for use when chemical and UV resilience is required, It also has good physical characteristics including resistance to corrosion.

Temperature range: -20°C to +40°C

TPR - Thermoplastic Rubber

This material has excellent UV and temperature properties, and has reasonable resistance to oils and fuels.

Temperature range: -20° C to $+60^{\circ}$ C

SI - Silicone

This material has little resistance to fuels, however has excellent physical properties including temperature, UV, oils and chemical resistance.

Temperature range: -60°C to +200°C Hardness Shore A: 30°C to 70°C

SBR - Styrene Butadiene Rubber

SBR has good physical characteristics including resistance to wear and abrasion, but is not recommended where contact with oils, fuel or high levels of UV are likely.

Temperature range: -55°C to +85°C Hardness Shore A: 60°C to 70°C

FPM - Viton

FPM has excellent all round properties including resistance to high temperature, chemicals, oils and fuels.

Temperature range: -20°C to +200°C Hardness Shore A: 70°C to 80°C

Polyurethane - PU

Polyurethane is a material with high levels of flexibility and elasticity. With good resistance to abrasion, it is also effective when in contact with high temperature and oils.

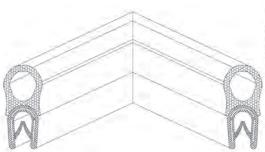
Temperature range: -30° C to $+85^{\circ}$ C



Flexible Self Grip Sealing Profiles

Sealing profiles are a combination of PVC edge protectors with bonded sponge rubber profiles or a co-extrusion of solid and sponge rubber. These profiles have a dual function; they cover sharp or unfinished edges and also offer a sealing function.

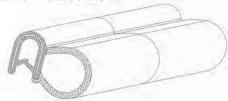
The sponge rubber tubes are extremely flexible and are suitable for sealing doors, hatches, and numerous other applications. The assembly is similar to edge protectors.



Manufacturing tolerances

Soft rubber Sponge rubber Soft PVC Custom lengths DIN ISO 3302-1 E2 DIN ISO 3302-1 E3 DIN 16941 3B

DIN ISO 3302-1 L3 / 16941 4B



Sealing profiles as a combination between PVC edge trim and sponge rubber can have up to two glued joints.

All profiles shown on the following pages are available in custom lengths, frames or rings.

Other colours and qualities such as food compatible, flame resistant or self-extinguishing qualities are available upon request.

Application for the edge protectors

Edge protection profiles simplify the finishing of edges. They eliminate preparatory and follow-up work, and a cover sheet metal edges. Furthermore, their

decorative effect is often desired.

The edge protectors consist of a U-shaped metal base, either a steel strip or wire carrier, jacketed with PVC or rubber. These guarantee a tight grip on the edge, even if radii or bends have to be covered. In some profiles, the clamping effect is heightened by PVC lips incorporated into the PVC jacket.

The edge protectors are pressed onto the edge by hand or with a rubber or thermoplastic hammer. Glues or special attachment aids are not required, installation is simple and quick.



PVC according to DIN 16941

Tolerances of custom length based upon DIN 16941 4B

Compression recommended for sealing edge protection profiles

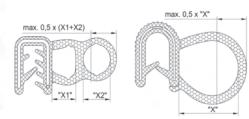
The compression of our sealing edge protection profile should have a maximum of 50% as otherwise the compactness, and the restoring force are affected. In practice, the profile should be compressed 30-40%.

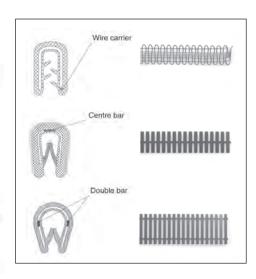
Formability of sponge rubber profiles

Essential for the application of sealings and underlay plates is the enduring deformation. The most common characteristic is the compression set (DVR).

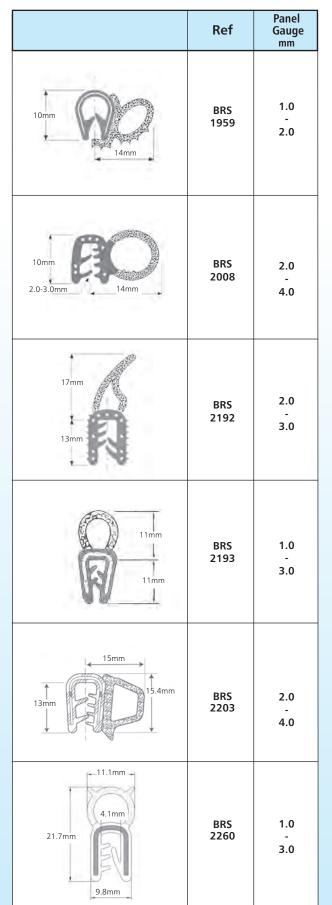
To determine this dimension, a cylindrical test body is compressed 25% and then stored for a selected time at a selected temperature. Thirty minutes after release, the height is measured at room temperature again, and from the result, the enduring deformation is identified.

A DVR of 0 means that the test body has reached its original height again (not possible in reality), a DVR of 100% shows that the test body has no reset device; after the test the test body would stay completely deformed. Why is the DVR an important parameter? A flange gasket is compressed to a specified thickness and exerts a pressure on the surface of the flange. After a while this pressure reduces because the rubber deforms plastically. If this plastically characteristic – the DVR – is too high, the press capacity and the sealing effect decrease and the seal can leak.











	1	
	Ref	Panel Gauge mm
12mm	BRS 2205	3.0 - 5.0
5mm 13mm	BRS 2277	1.0 - 3.0
	BRS 2331	1.0 - 3.0
13mm 2.0-3.0mm 19mm	BRS 2261	2.0 - 4.0
17	BRS 2355	10.0 - 12.0
14.5	SCR 0112	With S A Tape

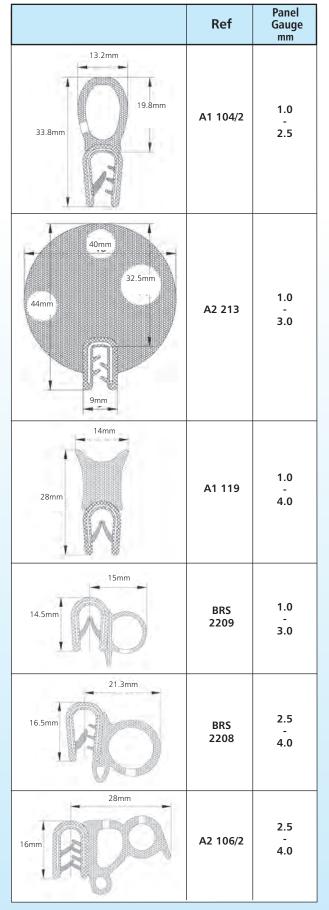




	Ref	Panel Gauge mm
5.5mm 8mm	A1 009	0.8 - 1.5
6.5mm 9.5mm	BRS 2177	1.0 - 1.5
13mm 13mm 2.0-3.0mm 14mm	A3 007	1.0 - 4.0
10mm	BRS 2172	1.0 - 4.0
15mm 14.5mm	A1 044	2.0 - 5.0
10.5mm	A1 021	2.0 - 5.0

	Ref	Panel Gauge mm
12mm 15mm	BRS 2251	6.0 - 8.0
9.4mm 9.2mm 13.6mm	BRS 2327	1.0 - 3.0
10mm	A1 018	1.0 - 4.0
8.8mm 13.3mm	BRS 2257	0.5 - 3.0
6.5mm 7.3mm	A1 107	1.0 - 2.0
10mm 9mm	A1 102	1.0 - 4.0







	Ref	Panel Gauge mm
38.7mm	A2 126	3.0
21.5mm 10.7mm	BRS 2263	1.0 - 3.0
29.3mm 21.1mm 15.5mm	BRS 2185	1.0 - 3.0
29.5mm 13mm	BRS 1723	1.0 - 3.0
8.8mm	A2 533	1.0 - 2.0
11.8mm	BRS 2280	1.0 - 2.0
18.7mm	A2 539	1.5 - 3.0



	Ref	Panel Gauge mm
20.2mm	BRS 2218	4.0 - 6.0
21mm	A3 114	4.0 - 6.0
26.5mm	A2 548	1.5 - 3.5
10.5mm 20.4mm	BRS 2006	1.0 - 3.0
18mm 18mm	BRS 2009	2.0 - 3.0



Caravan Window Seals

	Ref	Panel Gauge mm
on wall 31mm 14.3	D2279	N/A
on wall 32mm 16.7	D2664	N/A
on wall 24mm 14.6	D2524	N/A
on wall 35mm 14.3	D2543	N/A



Square U Channels

Data table for square channel edging strips

To use this table, first determine the required panel thickness (A). Then choose the optimum combination of overall height (B) and base width (C). Wall thickness (D) is given to assist this choice.

	Ref	A mm	B mm	C mm	D mm
С	BRS 1465	2	5	5	1.5
	BRS 30 3mm	3	8	6	1.6
	BRS 1264 3mm	3	10	10	3.3
	BRS 348	3	13	10	3.2
	BRS 70 3mm	3	15	6	1.5
	BRS 1870	3	19	11	3.5
	BRS 841	3	25	10	3.3
	BRS 30 4.5mm	4.5	8	8	1.6
	BRS 1264 4.5mm	4.5	10	10	2.5
	BRS 1863	4.5	13	12	3.0
	BRS 70 4.5mm	4.5	15	8	1.5
E	BRS 30 6mm	6	8	9	1.6
	BRS 1264 6mm	6	10	10	1.8
	BRS 70 6mm	6	15	10	1.6
	BRS 1712	6	17	13	3.5

ce.	1 5		A		
	Ref	A mm	B mm	C mm	D mm
	BRS 1584	6	22	15	4.3
	BRS 842	6	25	11	2.3
	BRS 1543	6	33	22	8.0
	BRS 668	9	13	13	1.6
	BRS 1700	9	27	15	3.0
	BRS 1701	11	27	17	3.0
	BRS 386	13	15	18	2.4
	BRS 1502	19	12	25	3.0
	BRS 1538	25	27	31	3

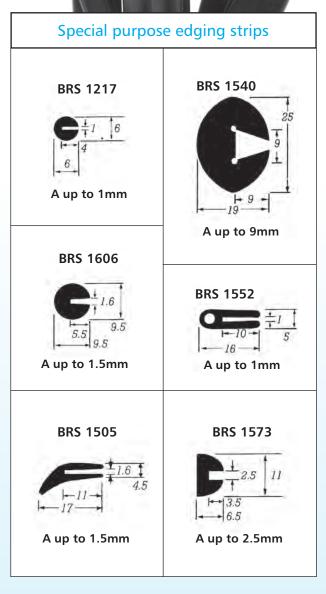


U Channels

Data table for U channels edging strips

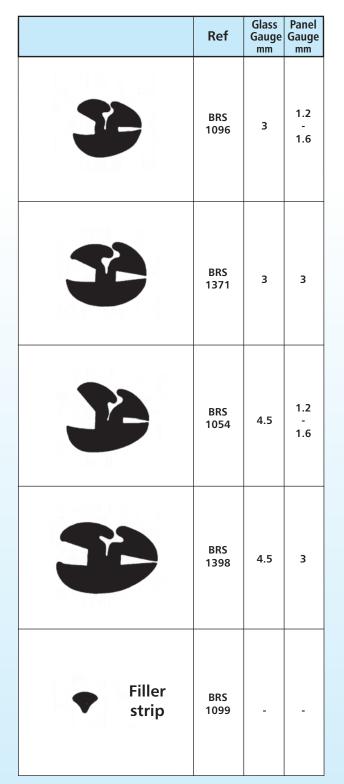
To use this table, first determine the required panel thickness (A). Then choose the optimum combination of overall height (B) and base width (C).

	Ref	A mm	B mm	C mm
c	BRS 1490	up to 1	4	1
0	BRS 1A	1-2	10	1.2
0	BRS 1177	1-2	15	2.8
C	BRS 1449	1.5	7	1.5
	BRS 48	1.5-2	23	1.7
	BRS 4	1.5-2.5	17	1.6
0	BRS 2	1.5-3	15	1.5
	BRS 187	1.5	26	1.7
	BRS 913	2	23	4.2
0	BRS 1536	2-3	11	1.9 2.2
C	BRS 1B	2.5-4	8	1.4
	BRS 49	3	21	2.4
C	BRS 1638	3-6	19	2.5 4





Weatherstrip





	Ref	Glass Gauge mm	Panel Gauge mm	
3	BRS 1239	4.5	4.5	
3	BRS 1061	6	1 <u>.</u> 2 1.6	
3	BRS 1069	6	2.6 - 3.2	
3	BRS 1208	6	6	
Filler strip Also available in chome.	BRS 1055	-	-	

Other sizes available on request.



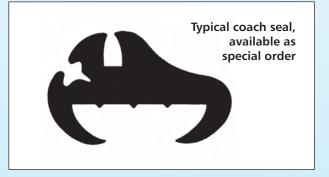
Glazing Seals

S Type Seals Lip Seal Coach Seal

	5.6	Glass	Panel
	Ref	Gauge	Gauge mm
9	BRS 254 3mm	2-3	2-3
9	BRS 254 4.5mm	4-4.5	2-3
9	BRS 254 6mm	5-6	2.5 - 3.5
5	BRS 884 4.5mm	4-5	2-3
5	BRS 884 6mm	5-6	2-3
5	BRS 919	6-8	2-3



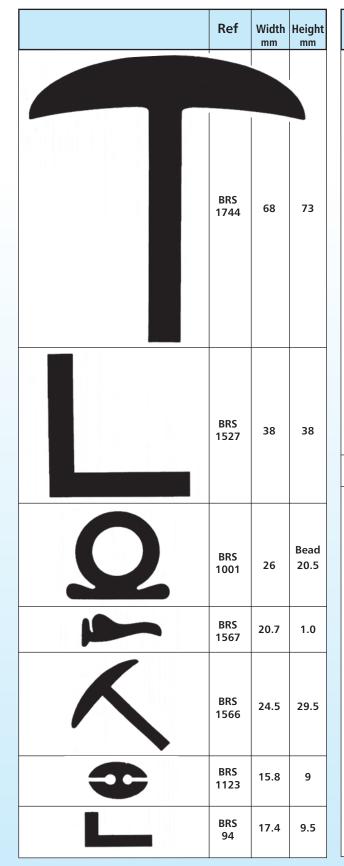
	Ref	Glass Gauge mm	Panel Gauge mm
1	BRS 990 6mm	5-6	ı
W	BRS 2299	4.75 - 6.0	-
w	BRS 2301	4.75 - 6.0	-
₩.	BRS 2300	4.75 - 6.0	-
22.4	BRS 2289	4.75 - 6.0	-

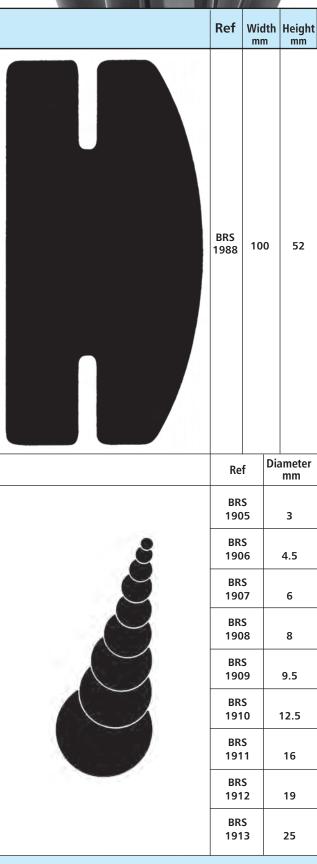




Neoprene Solid Cords and Miscellaneous Profiles











	Ref	Bead Dia. mm	Flange Width mm
•	BRS 849	8	46
	BRS 845	4	18
9	BRS 106	6	9
0_	BRS 367	10.5	15
9	BRS 567	12.7	15
0—	BRS 95	8	13
0—	BRS 149	12.5	19
0—	BRS 822	20.6	28.6

	Ref	Bead Dia. mm	Flange Width mm
Q	BRS 1993	7	4
Q	BRS 1994	8	5.5
Including fixing strip	BRS 2013	N/A	N/A
	BRS 1961	N/A	N/A



A range of moulded Rubber Stoppers and Buffers are available from stock.

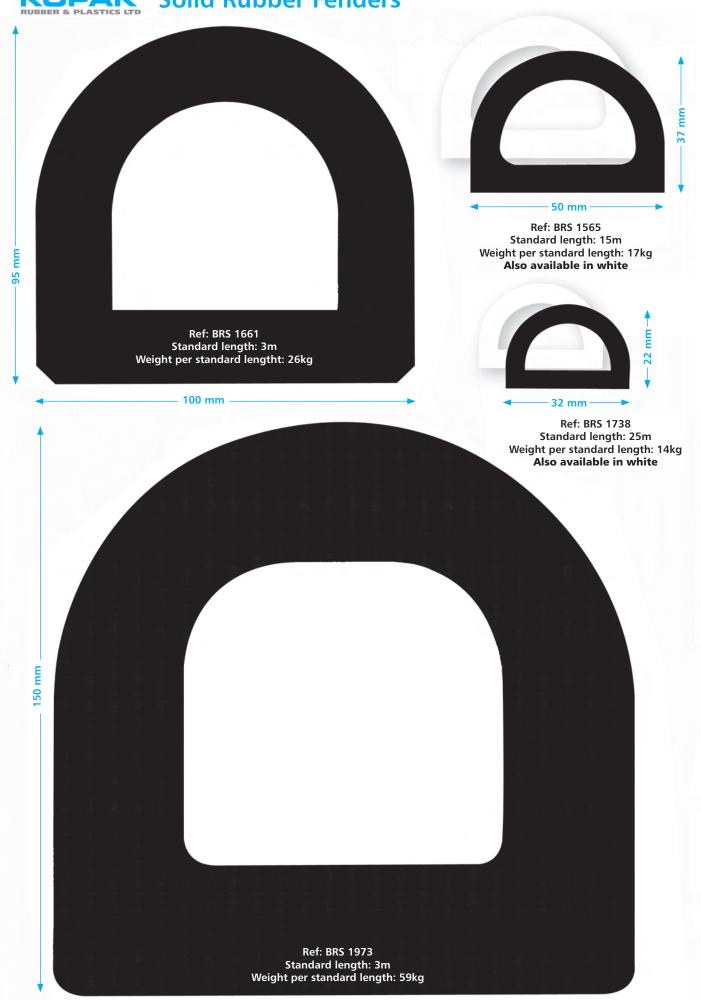
Various sizes available.

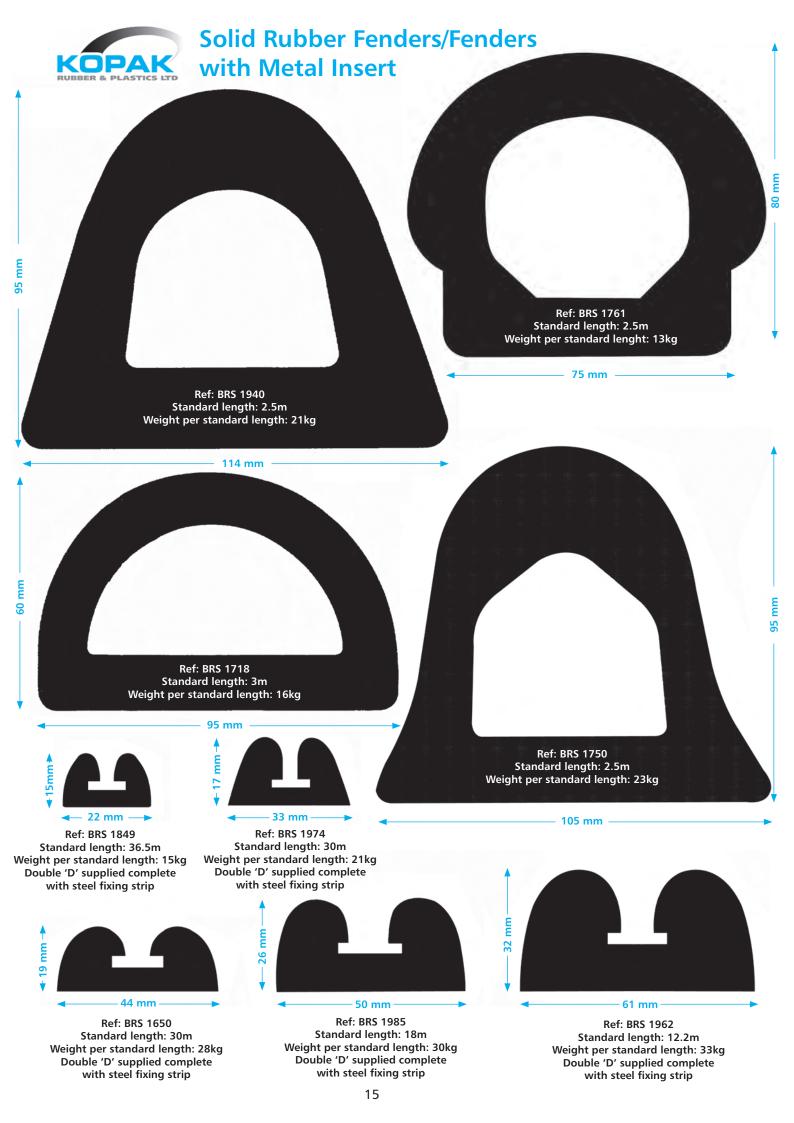
Please call for details.





Solid Rubber Fenders







Neoprene Sponge Cords & Miscellaneous Sponge Profiles



	Ref	Base mm	Height mm
	SCR 012	16	15
	SCR 020	13.5	13.5
	SCR 021	19	9.5
	SCR 024	-	-
	SCR 025	-	-
	SCR 026	3mm slot	-
	SCR 027	13.5	-
	SCR 028	25	13
8	SCR 030	-	-
	SCR 078	23	17

		7		
	Ref	Base mm	Height mm	
	SCR 070	25	12.5	
00	SCR 072	12.7	6.4	
	SCR 073	13	10	
	SCR 074	38	6.4	
	SCR 041	16.5	16.5	
	Re	f	Diameter mm	
0	E302	0	2	
	E302	.5	2.5	
	E303	0	3	
	E304	0	4	
	E305		5	
	E306	-	6	
	E306		6.5 7	
	E308	_	8	
	E309	_	9.5	
	E310	0	10	
	E312	.0	12	
	E313	0	13	
	E316		16	
	E319		19	
333000	E325	0	25	



Sponge Sheet & Kopaseal

Sponge Sheet

Kopak Rubber & Plastics is able to supply many types of Foam and Sponge Sheet. These are closed cell in structure and offer good resistance to water ingress and varying degrees of compression. Thickness range is from 2mm to 25mm and above. They can be in rolls or sheet form and can also be self-adhesive backed if required. We offer all grades of materials including:

- Polyethelene Foam (PE)
- PVC Nitrile
- EPDM
- Neoprene (CR)

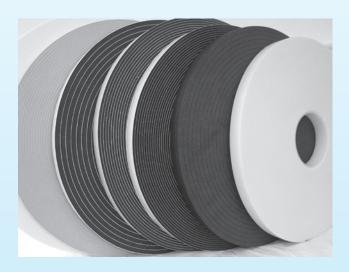
We can offer a prompt and efficient service for bulk sheets or we can convert to gaskets, die cut parts, washers or strips. Further details are available on request and we welcome enquiries for specific design of products, where technical help is also available.



Kopaseal – Self Adhesive Backed Strip

Kopaseal is our standard Pvc/Nitrile closed cell foam, made into strips and rolls. It is usually supplied with a general purpose self-adhesive backing tape. This allows for excellent adhesion to most common surfaces and provides for a wide range of sealing applications and possibilities.

- 3mm To 25mm thickness range
- Excellent Adhesion
- Suitable for water and air sealing
- Multi purpose applications
- Small production runs possible
- Pre-cut to exact strip widths required







Rubber Matting & Sheeting

Kopak also supply rubber sheeting and flooring for industrial and commercial applications. Our standard ribbed rubber flooring comes in a variety of thickness, widths and patterns.

- Fine Ribbed
- Flat Ribbed
- Plain Sheeting

Standard widths for Fine and Flat Ribbed matting is 1000mm and 1220mm and both are supplied in roll lengths of 10 metres.

Solid rubber sheeting is supplied in varying widths, thickness and materials from 1.0mm to 25mm thickness. Most popular materials offered include:

- EPDM
- NITRILE (NBR)
- NATURAL RUBBER (NR)
- NEOPRENE (CR)
- SBR
- VITON
- SILICONE

Our experienced sales staff can provide guidance and technical advice on which materials are best suited to your individual requirements. We welcome your enquiries for all your sheeting and matting needs.





Electrical Safety Matting

Kopak Rubber & Plastics always carry large stocks of rubber Electrical Safety Matting, available at any time. We are able to supply either full rolls or cut lengths of matting depending on the particular installation and customer requirements. All our Electrical Safety Matting is suitable for use where enhanced safety is required around electrical installations such as switchboards or other high voltage equipment. Wherever operators or specialist maintenance staff may risk accidental electric shock, our rubber matting will reduce the risk of serious injury or fatality. Several grades of Insulation Resistance are stocked, with the 450 volt commercial grade offering good all-round protection, and the industry standard, BS921 approved 650 volt specification offering a higher level of protection. This is our most popular grade and is our usual recommendation.

• 450 Volt - 6.0mm Thickness

Made in 6mm overall thickness and tested to 11,000V. This 6mm thick matting has a working voltage of 450V and is available in widths of 915mm and 1220mm. Made from a high quality black rubber it is ribbed on one side for excellent slip resistance.

Available in rolls or lengths up to 11.5 metres long.

• 650 Volt - 9.5mm Thickness BS921:1976

Made in 9.5mm overall thickness and tested to 15,000 V. This 9.5mm thick matting has a working voltage of 650 V and is available in widths of 915mm and 1220mm. Made from a high quality black rubber it is ribbed on one side for excellent slip resistance. It fully conforms to the British Standard BS921:1976 Specification. Available in rolls or lengths up to 11.5 metres long.

Hi Voltage – 4.0mm Thickness GREY

Made in 4.0mm overall thickness and tested to 50,000V. This 4mm thickness matting has a working voltage of 20,000V and is available in a standard width of 1000mm. Made from a high grade quality Grey rubber it has a smooth finish on both sides. It fully conforms to DIN 53481 VDE 0303 Specification. Available in rolls or lengths up to 10 metres long.

Our electrical switchboard matting is supplied into a wide variety of industries and can be offered in any cut lengths you may require. We can pre cut at very economical rates and welcome your special requests.



Solid and Hollow



Ref	Base Width mm	Hole Dia. mm
BRS 1970	73	11
BRS 1998	83	2 x 11
BRS 1977	80	30 x 10
BRS 1999	70	14 x 8
BRS 1997	98	2@ 16x10
BRS 2116	105	13
BRS 2117	130	22





Classic Car Parts

Kopak supply a wide range of Rubber and Plastic parts for classic and historic cars. Many of these parts are available off the shelf and supplied and shipped worldwide. Marques covered include:

- Austin
- Triumph
- MG
- TVR
- Lotus
- Land Rover
- Mini
- Jaguar
- Aston Martin



- Windscreen Seals/Rubbers
- Backlight Seals/Rubbers
- Door Seals
- Chrome Trims Wheel Arches and Gutter Mouldings
- Boot (Trunk) Seals and Bonnet (Hood) Seals
- Glass Run Channels
- Windscreen Mouldings

Car and Automotive Parts

For all other vehicles Kopak also supply a large range of Windscreen Mouldings, Clips and Accessories for the Replacement Glass Market. For the Australian/NZ market our new warehouse based in Queensland, Australia, APP International Pty Ltd, supply many products from stock.

Products include:

- Windscreen Mouldings and Rubbers
- Windscreen Clips
- Adhesives & Tapes
- Windscreen Fitting Tools
- Unimoulds Universal trims in rolls
- Wire, Blades and Accessory parts

We are always able to supply custom made products if they are not available from our stocks. We always welcome the opportunity to provide details for these on request.

























Decorative Trims

These are high quality plastic co-extrusions incorporating tapes and special materials used for decorative and functional trims and mouldings. They can be found widely in vehicle bodies and the transportation markets. Usually supplied in coils which can be easily cut to length and flat packed.

	Ref	Base mm	Height mm		Ref	Base mm	Height mm
	XART. 216C	12.5	5.0		XART. 332C	41	5.5
40	XART. 221C	14.5	2.5		XART. 335C	8	4
	XART. 222C	8	4.5	20	XART. 339C	11.5	6
	XART. 223C	10	5.4		XART. 383C	38	6.7
Also in Chrome	XART. 241B	7	9		XART. 388C	31	5
As above in Chrome.	XART. 241C	7	9		XART. 505C	40	6
	XART. 249B	27.5	11.5	22	XART. 511C	35	2
2	XART. 250B	15	7		XART. 705C	50	7
22	XART. 329C	5.3	3.5	97	XART. 842R	55	8.5



Container Door Seals

Ref	Panel Gauge mm
BRS 1694	38
BRS 1743	38 and over
BRS 1747	-

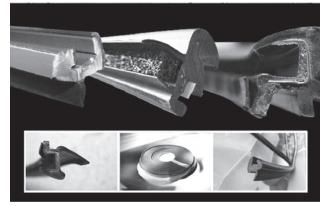
	Ref	Panel Gauge mm
	BRS 1495	20 and over
I	BRS 1496	19
	BRS 1493	25
4	BRS 1497	-

Sponge Rubber Gaskets												
Ref	Bead Diameters mm	4	6	7	,	9	11	14	17	7	20	26
SRG	Flange Widths mm	13	16	19	22	25	28	31	35	38	44	50

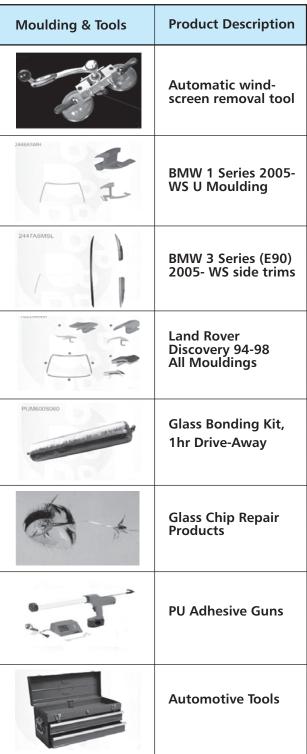
Sponge Door Seal Gaskets		
	Single	
	Double	Ref DSG
	Treble	



Automotive - Glass Products



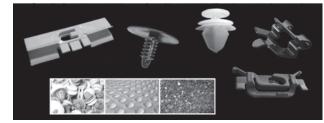
Universal Trims	Product Description
	25m roll Hotline Profile VW Transporter T4
4	T4 Transporter 30 m Roll or 50m roll
110	VW Golf III 91-97 Hotline Profile 15m roll
Sad mm.	Dam Profile 5mm x 6mm 10 meter roll
3	Roll Of 30 M PVC Profile W/Butyl16mm wide
3	Profile PVC Butyl 20mm-22m roll
0	Ford Transit-30m roll
15 m	Roll Of 15m VW Golf IV 97



Full range of 2000+ articles are available from our stock



Automotive - Glass Products



Windscreen Clips	Product Description	Tools & Consumables	Product Description
2426ARCS	BMW 5+7 Series 87-95 WS Kit 18 Gr+ 7 Bl		Wooden Cotton Buds x 100
2x 8x	New Mini 2000- Kit of 10 WS Clips		Felt Applicators x 100
50x	Ford Transit V184 2000- Pack of 50		50m Square Wire In Cardboard Box
ST39AKCVS2G 50x	Ford Transit V184 2000- Pack of 50	TP006P00	Cloth Tape Black 50mm - 50m Roll
2x 6x	Peugeot 407 Sal + Est 2004- Set of 10		Razor Blade Scraper
10x	Range Rover 2002- WS Clip -10 Units	44	Safety Blades 100 x Blades
5x	Adhesive Pad Sensor Audi A6 2005 x 5	WZ518P00	Wire Feeder Tool
RS017 5x	Rain Sensor VW Group+Jaguar x 5	XXX229R02	Chisel Blades - 20mm x 10

Full range of 2000+ articles are available from our stock



Kopak Rubber & Plastics Ltd have been supplying Industry for over 40 years with Rubber and Plastic products.

We work with a wide range of industries including: automotive; building and construction; communications; defence; electronics; general engineering; marine; medical; sport and leisure. Our reputation is built upon our professional approach to our customers needs.

We supply from our extensive stock holding of standard products. This includes Flexible Self Gripping profiles, U channels, Glazing seals, Electrical Switchboard Matting, Rubber Fenders, Sponge and Solid cords, and many other extrusions and profiles. In addition we supply foam in cut strip and gasket form in a wide range of materials.

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We can offer customers our expertise in the design and formulation of new products with specific bespoke qualities. Over many years we have developed a huge range of custom products.

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