



FSA[®]

FENESTRATION
SOLUTIONS
AUSTRALIA

CATALOGUE

SCHLEGEL DOOR & WINDOW SEALS





MAKING
LIFE
BETTER

WHAT WE STAND FOR

Everyday we live our overarching purpose; to make life better for our team, our customers and to drive our industry forward. To be better than yesterday and committed to a better tomorrow through everything we do.

Ultimately, we inspire architectural innovation and improve homes to create enjoyable and efficient lifestyles. We search the world over to source the most desirable, innovative and superior products available for the Australasian market. Combining stunning aesthetic design, state-of-the-art features, and first-class thermal efficiency, FSA introduces incredibly smart solutions for Australian window & door manufacturers and their customers.

Our experience and research reflects a detailed understanding of local and international markets, technical expertise and a dedication to exceptional customer service and streamlined support. This is exemplified in our extensive portfolio demonstrating our commitment to making life better.



HEAD OFFICE

11 Ashley Park Drive
Chelsea Heights VIC
Australia 3196

NSW OFFICE

Unit 1 56-58 Jemma Road
Prestons NSW
Australia 2170

www.fsa-us.com.au

2	COMPANY PROFILE
4	POLY -BOND BRUSH PILE SEALS
	Woven
	Woven with Fin
	Woven with Poly Fin
	Woven with Adhesive Back
	Timber Seal
	Woven Skirting
	Glass Clip Edge
12	Q-LON / AQUAMAC
	For Aluminum
	For uPVC
	For Timber
	APTUS Bulb
	Fire Retardant
31	FOAM-TITE

Schlegel International is known for providing high quality sealing and hardware solutions to the fenestration industry, covering the residential, commercial and industrial sectors. They have a long history in Australia of manufacturing an extensive range of woven SCHLEGEL brush pile seals for application in the fenestration industry, window covering business, interior design and other areas. Pile fibres move independently and are flexible, they seal perfectly against moving elements and also uneven surfaces.

In the previous century, pile weather strips were developed for use in revolving doors. The first products were made from wool with a cotton backing (so-called wool pile). In the meantime, demands for draught proofing and durability in the building industry have increased significantly and the original product doesn't compare to the seals applied in our industry today.

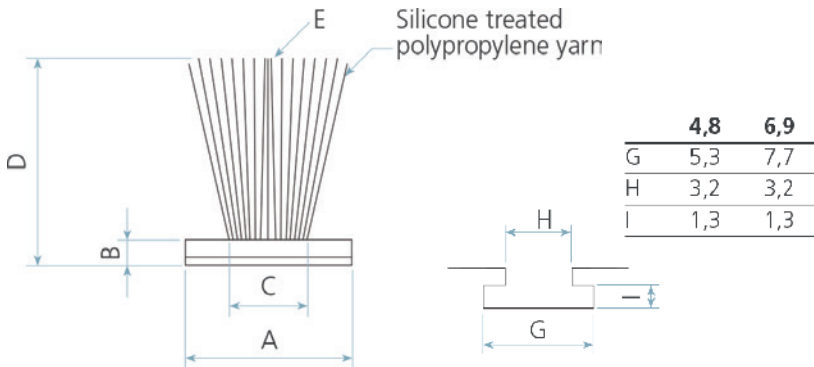
All Schlegel brush pile seals are now made from polypropylene (PP) and come with numerous options:

- Available in a range of many different widths and heights
- With optional adhesive backing based on hot-melt (HM) glue technology or transfer tape (TT)
- Silicone treated virgin PP yarn to resist water, mould and mildew
- Different densities depending on seal type, width and mounting distance
- Heat set for recovery after compression
- UV stable and chemically inert
- Low friction for improved sliding
- Hydrophobic for low water absorption
- Low conductivity for energy saving
- Excellent resistance to abrasion and static build-up
- Optional central fin for additional draught proofing



Their products are manufactured to meet the requirements of our many international customers in different industries. We use a Quality Management System registered and certified to ISO 9001:2015. Backed by our 10 year guarantee, original SCHLEGEL sealing products are always a safe choice.

WOVEN



Highest quality soft multifilament pile yarn on a woven reinforced translucent backing for all common economy sealing applications. Optional adhesive backing.

Technical specification

STANDARD SOLUTIONS

- A Backing width
 - Code sheet right
- B Backing thickness
 - $0,8 \pm 0,15$ mm
- C Pile base width
 - $2,4 \pm 0,3$ mm
- D Height
 - $4,0 \leq H \leq 10,0$ mm (+ 0,20 / - 0,15 mm) with 0,50 mm intervals
 - $10,0 < H \leq 17,0$ mm (+ 0,20 / - 0,15 mm) with 1,0 mm intervals
- E Density: number of pile rows (P)
 - 3,4 or 6P



Multifilament pile yarn colours

- Black (≈ RAL 9005)
- Grey (≈ RAL 7045)

Recommended compression:

- Standard (without fins): 15-20%

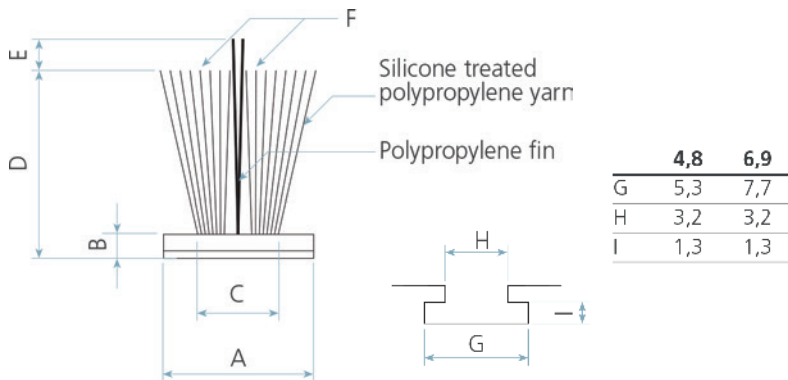
To order	Backing Material	Backing Width	Pile Height	Pile Density	Colour
Example	= Poly-Bond	4.8 or 6.9mm	5.00mm		Black
Code	PB	48	50	3	B



Code	Width mm	Height mm	Roll size m
PB48303B	4.80	3.00	750
PB48353B	4.80	3.50	600
PB48403B	4.80	4.00	600
PB48453B	4.80	4.50	550
PB48503B	4.80	5.00	500
PB48553B	4.80	5.50	450
PB48603B	4.80	6.00	450
PB48653B	4.80	6.50	450
PB48703B	4.80	7.00	350
PB48753B	4.80	7.50	350
PB48803B	4.80	8.00	350
PB48853B	4.80	8.50	350
PB69533B	6.90	5.25	450
PB69703B	6.90	7.00	350
PB69753B	6.90	7.50	350
PB69304B	6.90	3.00	600
PB69354B	6.90	3.50	600
PB69404B	6.90	4.00	500
PB69454B	6.90	4.50	450
PB69504B	6.90	5.00	450
PB69554B	6.90	5.50	400
PB69604B	6.90	6.00	400
PB69654B	6.90	6.50	350
PB69704B	6.90	7.00	350
PB69754B	6.90	7.50	350
PB69804B	6.90	8.00	300
PB69904B	6.90	9.00	300
PB691104B	6.90	11.00	200
PB691504B	6.90	15.00	100
PB90636B	9.00	6.25	200
PB90706B	9.00	7.00	200
PB90786B	9.00	7.75	150
PB90906B	9.00	9.00	150
PB901276B	9.00	12.75	150
PB110506B	11.00	5.00	300
PB110556B	11.00	5.50	200
PB110636B	11.00	6.25	200
PB110706B	11.00	7.00	200
PB110786B	11.00	7.75	150
PB110886B	11.00	8.75	150
PB1101276B	11.00	12.75	100

* Colour Black codes above; take B off the end for Grey

WOVEN WITH FIN



Soft multifilament pile yarn on a woven reinforced translucent backing. With 2 welded clear centre fins for improved weather sealing and acoustic performance of sliding windows and doors. Optional adhesive backing.

Technical specification

STANDARD SOLUTIONS

A Backing width

- 4,8 + 0,10 / - 0,15 mm
- 6.9 + 0,10 / - 0,20 mm

With optional hot-melt adhesive (HM)

B Backing thickness

- 0,8 ± 0,15 mm

C Pile base width

- 2,4 ± 0,3 mm

D Brush height

- 4,0 ≤ H ≤ 10,0 mm (+ 0,20 / - 0,15 mm) with 0,50 mm intervals
- 10,0 < H ≤ 17,0 mm (+ 0,20 / - 0,15 mm) with 1,0 mm intervals

E Fin height (≥ 5 mm)

- level with pile height
- 1 mm above pile height
- 2 mm above pile height

F Density: number of pile rows (P)

- 2,4P

Multifilament pile yarn colours

- Black (≈ RAL 9005)
- Grey (≈ RAL 7045)

Other configurations upon request

- Quiet black non-woven fins

Recommended compression:

- Fin level with or lower than pile: 10-15%
- Fin higher than pile: 5-10%



Year Guarantee



Australian Made Pile

Code	Width	Height	Roll
	mm	mm	size m
PBF48402B	4.80	4.00	500
PBF48452B	4.80	4.50	500
PBF48502B	4.80	5.00	500
PBF48552B	4.80	5.50	450
PBF48602B	4.80	6.00	400
PBF48652B	4.80	6.50	400
PBF48752B	4.80	7.50	300
PBF48852B	4.80	8.50	300
PBF69454B	6.90	4.50	400
PBF69504B	6.90	5.00	400
PBF69554B	6.90	5.50	400
PBF69604B	6.90	6.00	350
PBF69654B	6.90	6.50	350
PBF69754B	6.90	7.50	300
PBF69904B	6.90	9.00	200
PBF691104B	6.90	11.00	200
PBF691274B	6.90	12.75	150
Hi-Fin			
PBHF48382B	4.80	3.75	500
PBHF48432B	4.80	4.25	500
PBHF48502B	4.80	5.00	450
PBHF48552B	4.80	5.50	400
PBHF48602B	4.80	6.00	400
PBHF48652B	4.80	6.50	350
PBHF48752B	4.80	7.50	300
PBHF48852B	4.80	8.50	300
PBHF69534B	6.90	5.25	400
PBHF69654B	6.90	6.50	350

* Colour Black the end for G

To order	Backing Material	Backing Width	Pile Height	Pile Density	Colour
Example	= Fin-Seal	4.8 or 6.9mm	5.00mm		Black
Code	PBF	48	50	2	B



Sound



Cold Smoke



Weather



Draughts & Dust

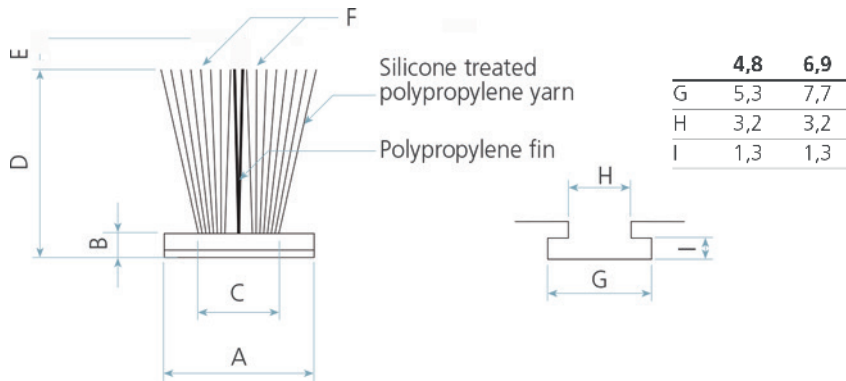


Light



Fire

WOVEN WITH POLY FIN



Soft multifilament pile yarn on a woven reinforced translucent backing. With 2 soft bonded centre fins ensuring quiet operation of sliding windows and doors. Optional adhesive backing.

Technical specification

STANDARD SOLUTIONS

A Backing width

- 4,8 + 0,10 / - 0,15 mm
- 6,7 + 0,10 / - 0,20 mm

With optional hot-melt adhesive (HM)

B Backing thickness

- 0,8 ± 0,15 mm

C Pile base width

- 2,4 ± 0,3 mm

D Height

- 4,0 ≤ H ≤ 10,0 mm (+ 0,20 / - 0,15 mm) with 0,50 mm intervals
- 10,0 < H ≤ 17,0 mm (+ 0,20 / - 0,15 mm) with 1,0 mm intervals

E Fin height (≥ 5 mm)

- level with pile height

F Density: number of pile rows (P)

- 2,4P

Multifilament pile yarn colours

- Black (≈ RAL 9005)
- Grey (≈ RAL 7045)
- Quiet black non-woven fins

Recommended compression:

- Fin level with or lower than pile: 10-15%



Year
Guarantee



Australian
Made Pile



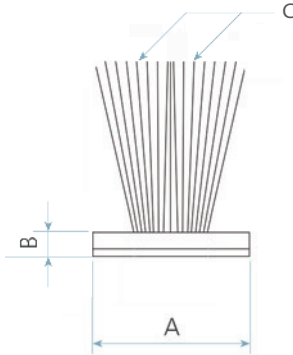
Code	Width Height	
	mm	mm
PBSF484252B	4.8	4.25
PBSF485002B	4.8	5.00
PBSF485502B	4.8	5.50
PBSF486502B	4.8	6.50
PBSF487502B	4.8	7.50
PBSF488502B	4.8	8.50
PBSF693504B	6.9	3.50
PBSF694504B	6.9	4.50
PBSF695254B	6.9	5.25
PBSF695504B	6.9	5.50
PBSF696504B	6.9	6.50
PBSF697504B	6.9	7.50

* Colour Black codes above; take B off the end for Grey

To order	Backing Material	Backing Width	Pile Height	Pile Density	Colour
Example	= Silent-Fin	4.8 or 6.9mm	5.00mm		Black
Code	PBSF	48	500	2	B



WOVEN WITH ADHESIVE BACK



Year
Guarantee



Australian
Made Pile



Pressure sensitive adhesive backing. Hot melt (HM).
Easy application by hand or roller. Firm and fast fixing.
Available for Polybond and other seals on request.
Please enquire if you would like this product to come
with an additional fin for outstanding acoustics.

Technical specification

STANDARD SOLUTIONS

A Backing width

■ 6.9 mm

B Backing thickness

■ 0.3 mm

C Density: number of pile rows (P)

■ 4,6P

To order	Backing Material	Backing Width	Pile Height	Pile Density	Colour
Example	= Adseal	6.9mm	5.00mm		Black
Code	AB	69	50	4	B

Code	Width mm	Height mm	Roll size m
AB69304B	6.90	3.00	600
AB69354B	6.90	3.50	600
AB69384B	6.90	3.75	500
AB69404B	6.90	4.00	500
AB69454B	6.90	4.50	450
AB69484B	6.90	4.75	450
AB69504B	6.90	5.00	450
AB69534B	6.90	5.25	450
AB69554B	6.90	5.50	400
AB69584B	6.90	5.75	400
AB69604B	6.90	6.00	400
AB69634B	6.90	6.25	350
AB69654B	6.90	6.50	350
AB69684B	6.90	6.75	350
AB69704B	6.90	7.00	350
AB69754B	6.90	7.50	350
AB69804B	6.90	8.00	300
AB69904B	6.90	9.00	300
AB691104B	6.90	11.00	200
AB691274B	6.90	12.75	200
AB691504B	6.90	15.00	100
AB90636B	9.00	6.25	200
AB90706B	9.00	7.00	200
AB90786B	9.00	7.75	150
AB90906B	9.00	9.00	150
AB901276B	9.00	12.75	150
AB110506B	11.00	5.00	300
AB110556B	11.00	5.50	200
AB110636B	11.00	6.25	200
AB110706B	11.00	7.00	200
AB110786B	11.00	7.75	150
AB110886B	11.00	8.75	150
AB1101276B	1.00	12.75	100

* Colour Black codes above; take B off the end for Grey



Cold
Smoke



Weather



Draughts
& Dust



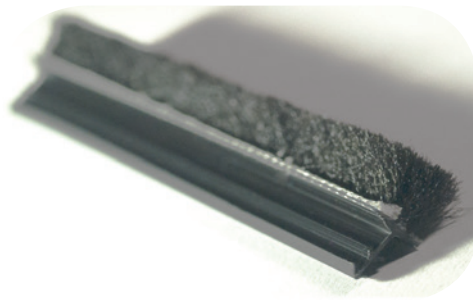
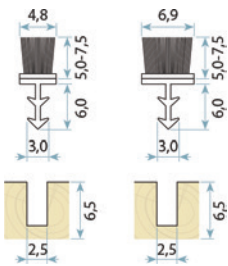
Light



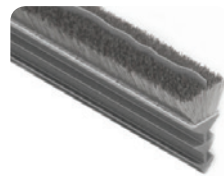
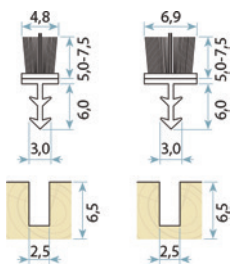
Fire

TIMBER SEAL

Timber Seal



Timber Fin-Seal



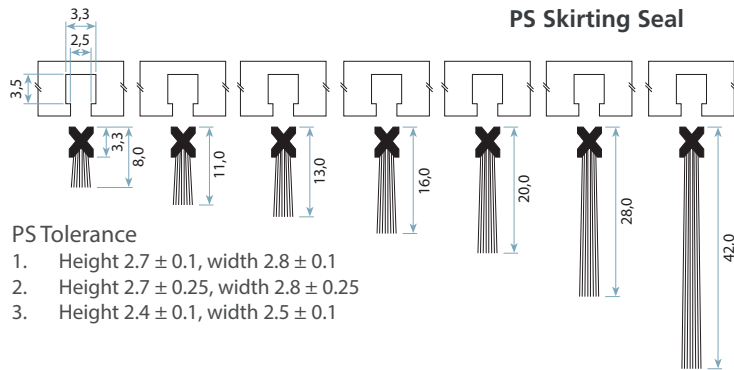
Timber seal and timber finseal are extruded to push fit into any kerf slot. Timber seal acts as an excellent weatherseal and the siliconised polypropylene woven pile yarn comes with a fin for an additional barrier to sound.

To order	Backing Material	Backing Width	Pile Height	Pile Density	Colour
Example	= Timberseal	4.8 or 6.9mm	5.00mm		Black
Code	TS	48	50	3	B

Code	Width mm	Height mm	Roll size m
TS48303B	4.80	3.00	350
TS48353B	4.80	3.50	350
TS48403B	4.80	4.00	350
TS48453B	4.80	4.50	350
TS48503B	4.80	5.00	350
TS48553B	4.80	5.50	350
TS48603B	4.80	6.00	350
TS48653B	4.80	6.50	350
TS48753B	4.80	7.50	350
TS48853B	4.80	8.50	350
TS69304B	6.90	3.00	250
TS69384B	6.90	3.75	250
TS69504B	6.90	5.00	250
TS69654B	6.90	6.50	250
TS69754B	6.90	7.50	250
TS69904B	6.90	9.00	250
TS691104B	6.90	11.00	150
TS691274B	6.90	12.75	150
TS691504B	6.90	15.00	150
TSF48402B	4.80	4.00	350
TSF48502B	4.80	5.00	350
TSF48652B	4.80	6.50	350
TSF48752B	4.80	7.50	350
TSF48852B	4.80	8.50	350
TSF69504B	6.90	5.00	250
TSF69654B	6.90	6.50	250
TSF69754B	6.90	7.50	250
TSF691104B	6.90	11.00	150
TSF691274B	6.90	12.75	150

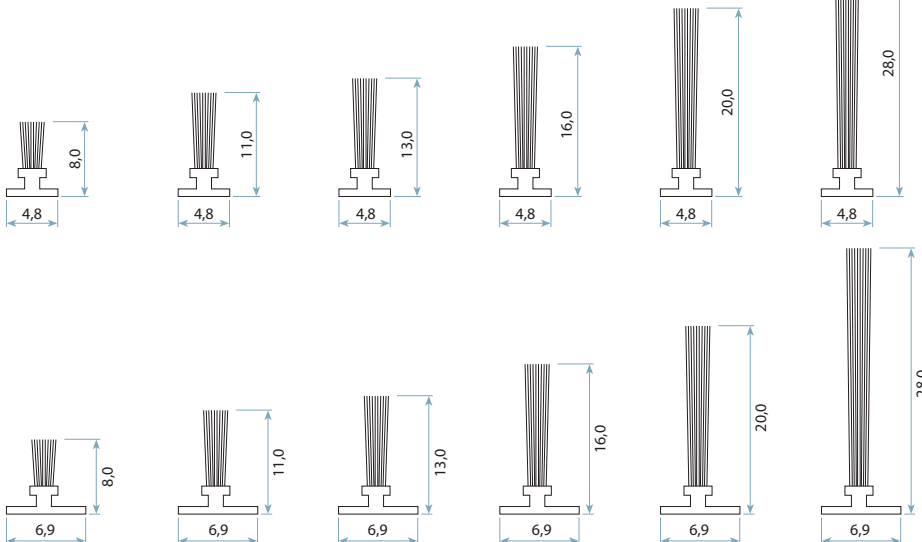
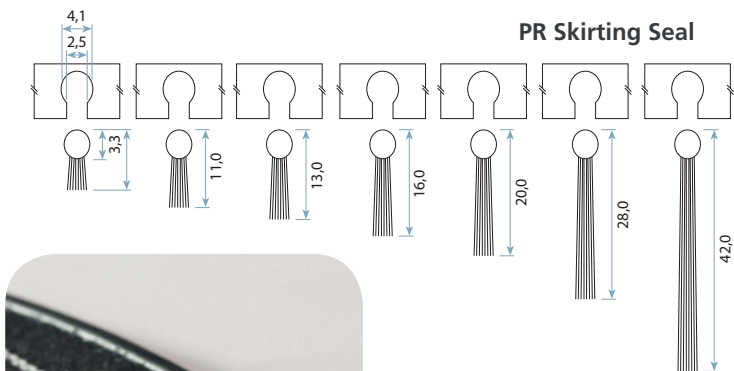
* Colour Black codes above; take B off the end for Grey

WOVEN SKIRTING



PS Tolerance

1. Height 2.7 ± 0.1 , width 2.8 ± 0.1
2. Height 2.7 ± 0.25 , width 2.8 ± 0.25
3. Height 2.4 ± 0.1 , width 2.5 ± 0.1



Code	Width mm	Height mm	Roll size m
SSPS8B Kerf		8.00	700
SSPS11B Kerf		11.00	600
SSPS13B Kerf		13.00	500
SSPS16B Kerf		16.00	500
SSPS20B Kerf		20.00	300
SSPS28B Kerf		28.00	250
SSPR10B Kerf		10.00	500
SSPR13B Kerf		13.00	500
SSPR16B Kerf		16.00	500
SSP48 black only			
SSP4809BT-Slot	4.80	9.00	500
SSP4811BT-Slot	4.80	11.00	400
SSP4813BT-Slot	4.80	13.00	400
SSP4816BT-Slot	4.80	16.00	300
SSP4820BT-Slot	4.80	20.00	300
SSP4828BT-Slot	4.80	28.00	200
SSP69 black only			
SSP6911BT-Slot	6.90	11.00	400
SSP6913BT-Slot	6.90	13.00	300
SSP6916BT-Slot	6.90	16.00	300
SSP6920BT-Slot	6.90	20.00	200
SSP6928BT-Slot	6.90	28.00	200

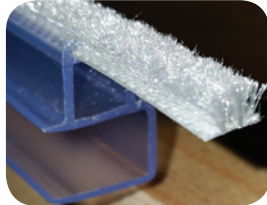
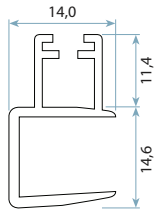
* Colour Black codes above; take B off the end for Grey

T-slot 48 & 69 Skirting Seal

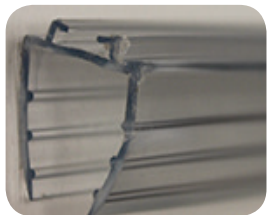
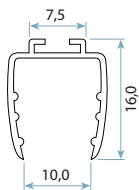


GLASS CLIP EDGE

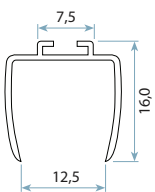
DGCE123



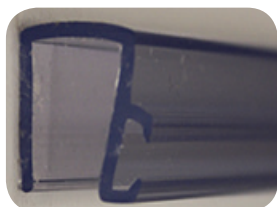
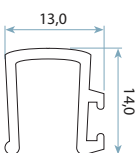
DGCE123



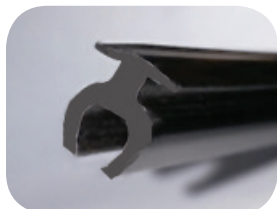
DGCE153



DGCE123A250



BB Adaptor



Year Guarantee



10,000 Cycles

Codes refer to the size of the glass:
 DGCE12 = glass size of 12 mm thickness.
 DGCE15 = glass size of 15 mm thickness.

All seal entry points are 7,5 mm width.

Glass size 12 and above suits 6.9 T-Slot

Glass size 6 and 8 suits 4.8 T-Slot



Code	Type	Width mm	Pile	Pile Colour
DGCE123	Top/Bottom	12.00		
DGCE153	Top/Bottom	15.00		
DGCE563	Side	6.00		
DGCE583	Side	8.00		
DGCE123A250	Side	12.00		
DGCE123	Side	12.00		
DGCE12369504	Top/Bottom	12.00	PB69504	Grey
DGCE15369504	Top/Bottom	15.00	PB69504	Grey
DGCE12369504	Side	12.00	PB69504	Grey
DGCE12369504B	Side	12.00	PB69504B	Black
BB69AD	BB Adaptor			Black

* Length 3 metre

Made with a unique combination of materials and with technical performance unparalleled by any other material used in weatherseals, Schlegel Q-Lon offers the highest standard of sealing function – even under extreme conditions.

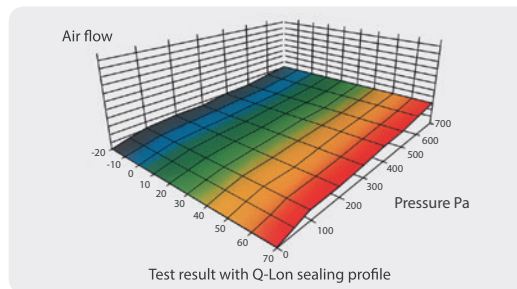
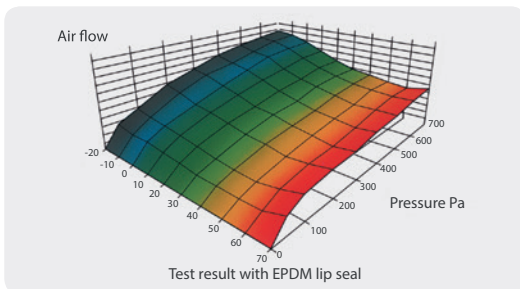
Continuous research and development, as well as strict material inspection and quality inspections, have made Q-Lon one of the best established sealing systems in the industry today.

Q-Lon – the ultimate benefits in material and function:

- Excellent memory – returns to original shape after compression
- Stability – low/no stretch gained by glass fibre internal cord or insert
- Easily compressed – low compression forces, unaffected by temperature variance
- Acoustics – outstanding acoustic performance - independently tested
- Thermal conductivity – unrivalled thermal performance - independently tested
- Paint and stain proof – properties unaffected by standard paints and stains
- Stabilised – unaffected by rot, fungi, UV light or ozone
- Colour – wide range of available options
- Temperatures – the widest operating range -60 °C to +70 °C

Air flow comparison

The graph below shows the weather performance against competitor gaskets and demonstrates that Q-Lon provides less air leakage over a wide temperature range when compared to competitors.



Airtight

Schlegel weatherseals have superior recovery performance, returning to their original shape after compression – providing 100% airtightness in all temperature conditions



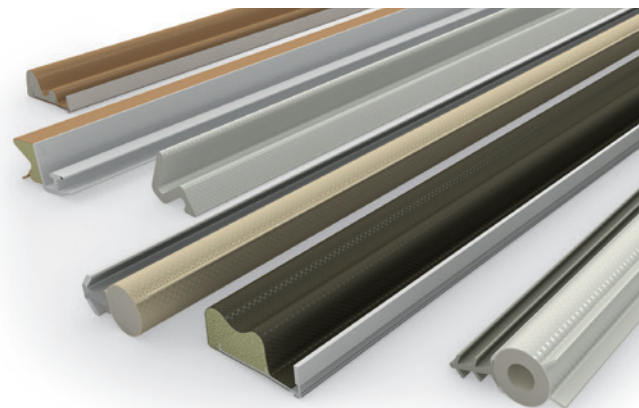
Watertight

Schlegel weatherseals have built-in memory providing the highest standard of sealing performance over the life of the installation 100% watertightness – even under extreme conditions



Soundtight

Schlegel high-quality weatherseals offer superior acoustic performance due to a unique combination of materials, offering 100% soundtightness – even under extreme conditions



FOR ALUMINIUM

Specially designed to meet the different demands of aluminium windows and doors, Q-Lon foam weather seals have excellent compression recovery of 99%, giving constant height at corners for improved weathering.



100,000
Cycles

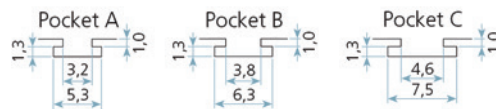
Testing and results

Tested temperature range:	-60 °C to +70 °C
Heat conductivity:	0.0041 W/mK at 0 °C
Compression force:	approx. < 15 N at 25% compression per 100 mm, < 10 N for lip profiles
Compression set:	< 15% after 30 minutes relief of 50% compression at 70 °C and 24 hours. (EN ISO 1856)
Weather resistance:	tested up to 20 years
Ozone resistance:	Crack stage 0
Abrasion resistance:	No abrasion after 285,000 cycles of grinding load
Colour fastness:	No contact discolouration (colour fastness index > 4)
Controls:	Manufactured in accordance with ISO9001

Tested and certified by:

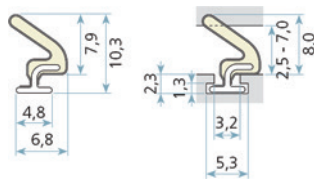


T-Slot dimensions



QL 48800

Metres/coil:
250/305



Stocked Item



FOR ALUMINIUM



Year
Guarantee



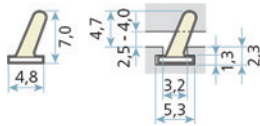
10,000
Cycles



20
years
Weather
resistance

QL 4870

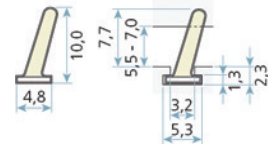
Metres/coil:
250



Stocked Item

QL 48100

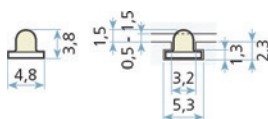
Metres/coil:
250



Made to Order

QL 48400

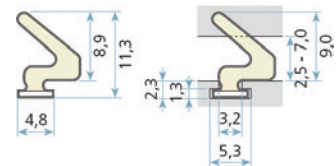
Metres/coil:



Stocked Item

QL 48447

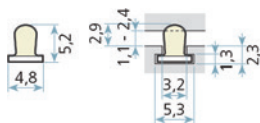
Metres/coil:
250



Stocked Item

QL 48510

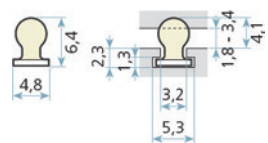
Metres/coil:
900



Stocked Item

QL 48650

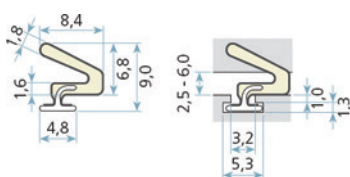
Metres/coil:
800



Stocked Item
Black & White only

QL 48700

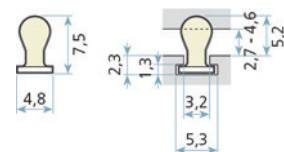
Metres/coil:
250



Stocked Item

QL 48750

Metres/coil:
600



Stocked Item

FOR ALUMINIUM



10
Year
Guarantee



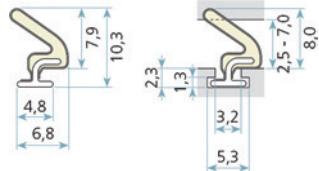
10,000
Cycles



20
years
Weather
resistance

QL 48800

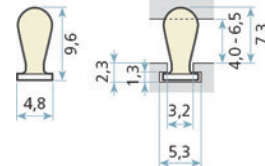
Metres/coil:
250/305



Stocked Item

QL 48950

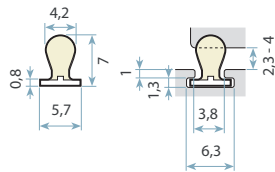
Metres/coil:
500



Stocked Item

QL 57700

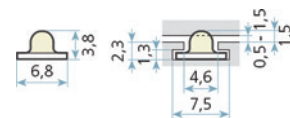
Metres/coil:
200



Made to Order

QL 69400

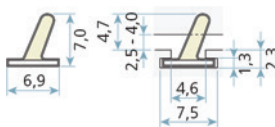
Metres/coil:
700



Stocked Item

QL 6970

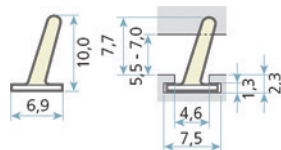
Metres/coil:
250



Stocked Item

QL 69100

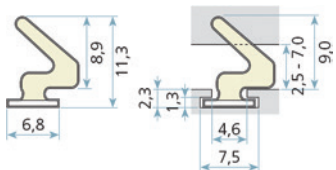
Metres/coil:
250



Made to Order

QL 69447

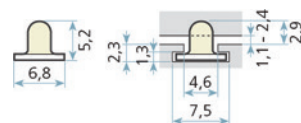
Metres/coil:
250



Made to Order

QL 69510

Metres/coil:
100/700



Stocked Item

FOR ALUMINIUM



10
Year
Guarantee



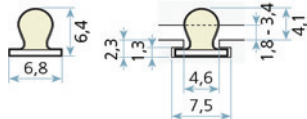
10,000
Cycles



20
years
Weather
resistance

QL 69650

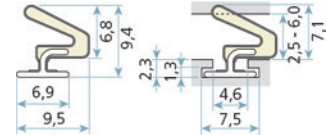
Metres/coil:
600



Stocked Item

QL 69700

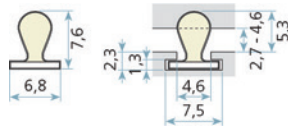
Metres/coil:
500



Made to Order

QL 69750

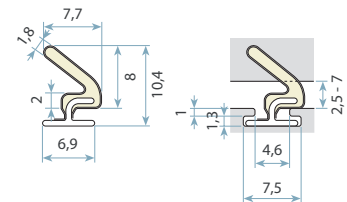
Metres/coil:
500



Stocked Item

QL 69800

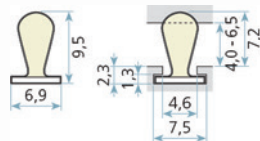
Metres/coil:
250/305



Stocked Item

QL 69950

Metres/coil:
350



Stocked Item



FOR uPVC

Specifically designed to meet the different demands of PVC windows and doors. Schlegel Q-Lon foam weather seals maintain consistently high standards of energy efficiency, often exceeding any long-term window performance guarantees.

Testing and results

Tested temperature range:	-60 °C to +70 °C
Heat conductivity:	0,041 W/mK at 0 °C
Compression force:	approx. 15 N at 25% compression per 100 mm, < 10 N for lip profiles
Compression set:	< 15% after 30 minutes relief of 50% compression at 70 °C and 24 hours. (EN ISO 1856)
Weather resistance:	tested up to 20 years
Ozone resistance:	Crack stage 0
Abrasion resistance:	No abrasion after 285,000 cycles of grinding load
Compatibility:	Compatible with PVC-U, no crack formation in the contact material
Colour fastness:	No contact discolouration (colour fastness index >4)

Tested and certified by:



FOR uPVC



10
Year
Guarantee



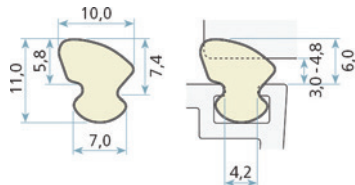
10,000
Cycles



20
years
Weather
resistance

QL 4465

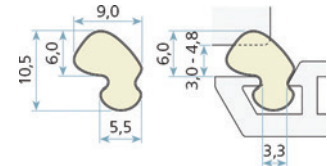
Metres/coil:
250



Stocked Item

QL 5570

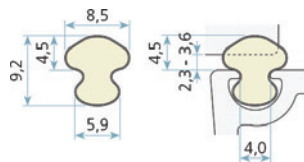
Metres/coil:
250



Made to Order

QL 5985

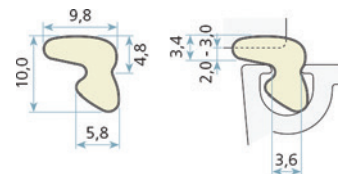
Metres/coil:
250



Stocked Item

QL 6493

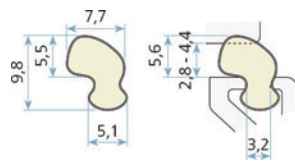
Metres/coil:
300



Made to Order

QL 7307

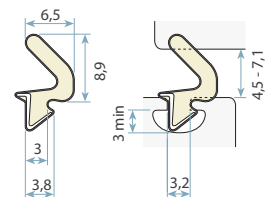
Metres/coil:
250/300



Made to Order

QL 9257

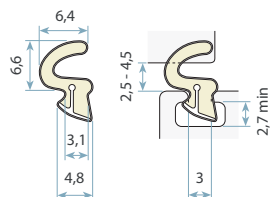
Metres/coil:
300



Made to Order

QL 9426

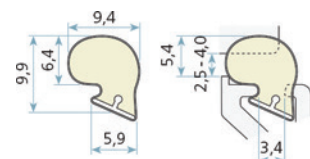
Metres/coil:
200/400/800



Made to Order

QL 9489

Metres/coil:
250/700



Made to Order

FOR uPVC



Year
Guarantee



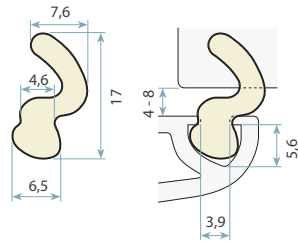
10,000
Cycles



20
years
Weather
resistance

QL 9536

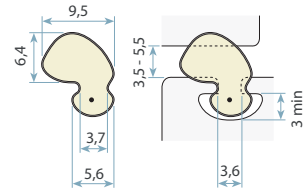
Metres/coil:
250



Made to Order

QL 9646

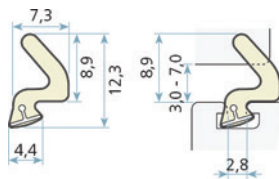
Metres/coil:
250



Made to Order

QL 9688

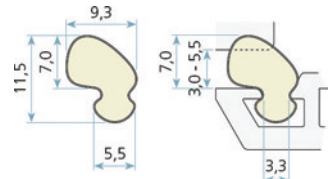
Metres/coil:
400



Made to Order

QL 9710

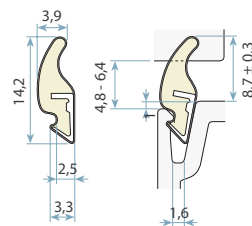
Metres/coil:
300



Made to Order

QL 9821

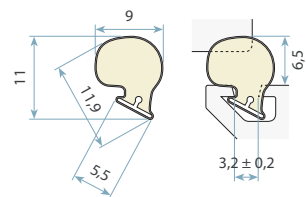
Metres/coil:
400/ 800



Made to Order

QL 9898

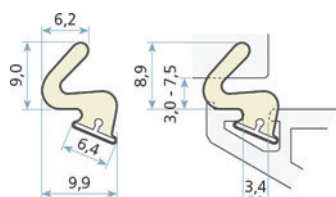
Metres/coil:
300



Made to Order

QL 9926

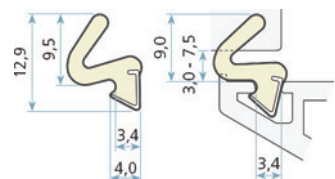
Metres/coil:
300



Made to Order

QL 9928

Metres/coil:
300



Made to Order

FOR TIMBER

Q-Lon foam seals have been specifically designed for timber windows and doors to offer the best acoustic and thermal performance across the widest temperature range. The low operating force and excellent compression recovery also help reduce wear and tear and allow ease of operation across all applications, whether for internal or external. The Q-Lon foam seal also offers excellent performance against air, light, dust and other contaminants.

Testing and results

Compression set:	< 15% after 1 hour relief of 50% compression at 70 °C and 24 hours. (DIN 53572)
Compression force:	Approx. 15 N at 25% compression per 100 mm, < 10 N for lip profiles
Tested temperature range:	-60 to +70 °C
Heat conductivity:	0.041 W/mK at 0 °C
Long life performance:	No change of the length-related and partial joint permeability
Environment testing:	Tested and passed pursuant to DIN 18055, EN12207 and EN12208 to 600 Pa at single and French window
Paint compatibility:	No adhesion, no hardening, no discolouration
Acoustic testing:	43 dB measured at a window IV68 with a centre seal 45 dB at a window IV76 with a centre and overlap seals
Weather-resistant:	Tested up to 20 years

Tested and certified by:



FOR TIMBER



10
Year
Guarantee



10,000
Cycles

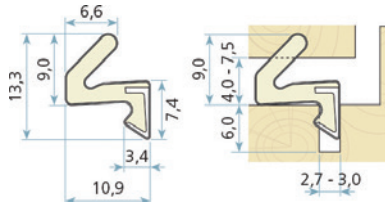


20
years
Weather
resistance

AQ 21

(QL 3009)

Metres/coil:
250



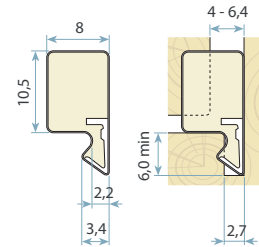
Stocked Item
Available in Flame Retardant



AQ 33

(QL 3012)

Metres/coil:
200

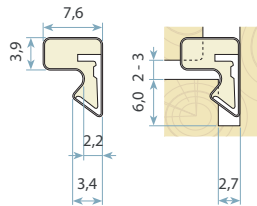


Stocked Item
Only in Bronze

AQ 48

(QL 3013)

Metres/coil:
350

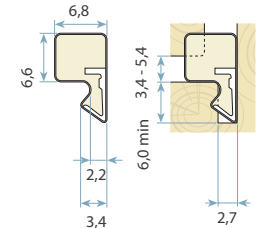


Stocked Item

AQ 63

(QL 3005)

Metres/coil:
100/300

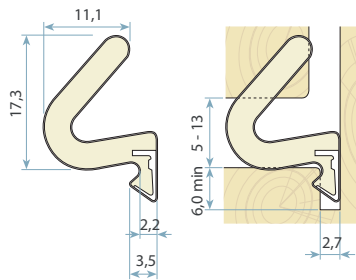


Stocked Item

AQ 89

(QL 3006)

Metres/coil:
2,1m length

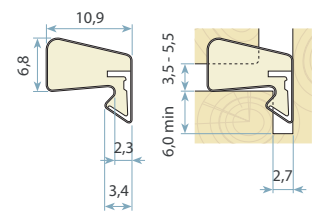


Stocked Item

AQ 109

(QL 3011)

Metres/coil:
250

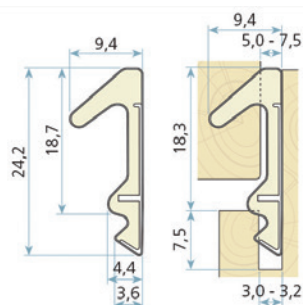


Stocked Item

AQ 836

(QL 836)

Metres/coil:
125

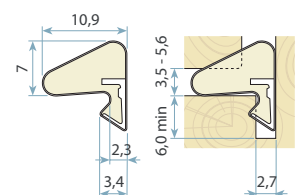


Made to Order

AQ 4846

(QL 3037)

Metres/coil:
200



Stocked Item

FOR TIMBER



10
Year
Guarantee



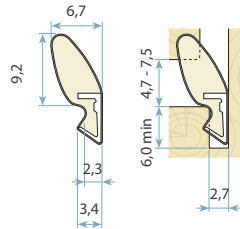
10,000
Cycles



20
years
Weather
resistance

AQ 5626
(QL 5626)

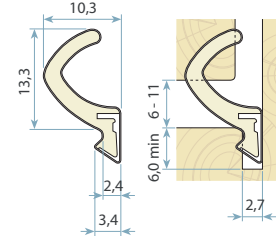
Metres/coil:
300



Made to Order

AQ 5694
(QL 5694)

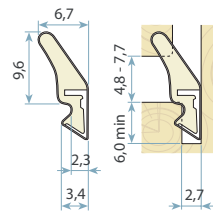
Metres/coil:
200



Stocked Item

AQ 7066
(QL 7066)

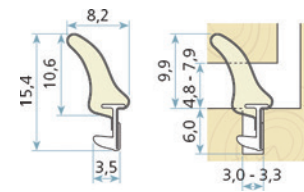
Metres/coil:
400



Made to Order

AQ 9111
(QL 9111)

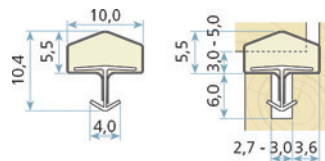
Metres/coil:
400



Made to Order

QL 50

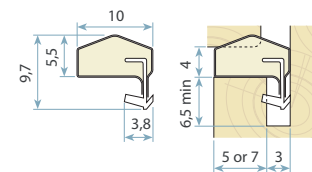
Metres/coil:
250



Made to Order

QL 65

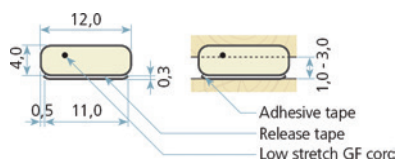
Metres/coil:
250



Made to Order

QL 1026

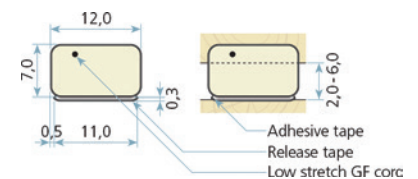
Metres/coil:
250



Made to Order

QL 1032

Metres/coil:
250



Made to Order

FOR TIMBER



Year
Guarantee



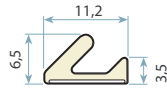
10,000
Cycles



20
years
Weather
resistance

QL 3042

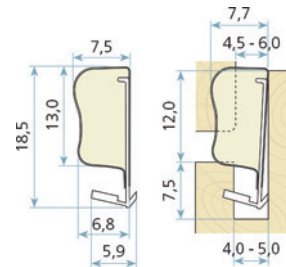
Metres/coil:
400



Made to Order

QL 3053

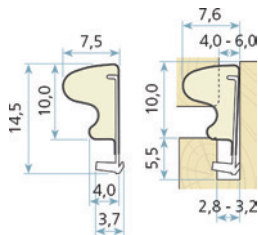
Metres/coil:
200



Made to Order

QL 3054

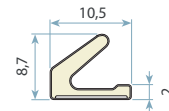
Metres/coil:
250



Made to Order

QL 3059

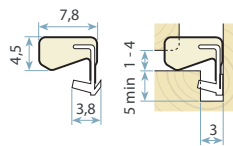
Metres/coil:
300



Made to Order

QL 3070

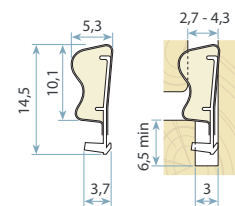
Metres/coil:
400



Made to Order

QL 3072

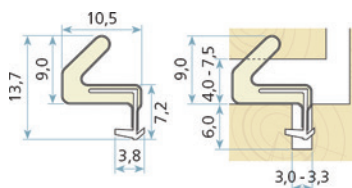
Metres/coil:
300



Made to Order

QL 3078

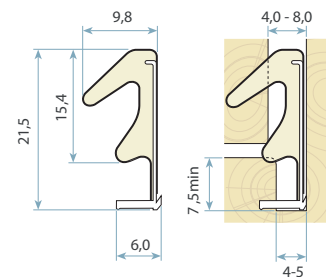
Metres/coil:
250



Made to Order

QL 3091

Metres/coil:
150



Made to Order

FOR TIMBER



Year
Guarantee



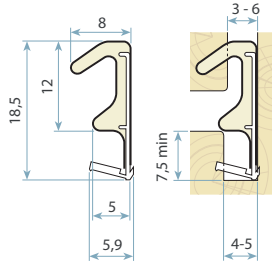
10,000
Cycles



20
years
Weather
resistance

QL 3096

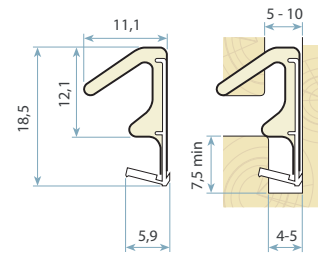
Metres/coil:
200



Made to Order

QL 3104

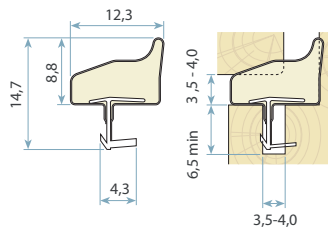
Metres/coil:
200



Stocked Item

QL 3110

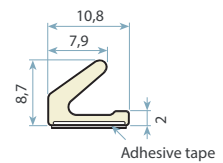
Metres/coil:
250



Made to Order

QL 3116

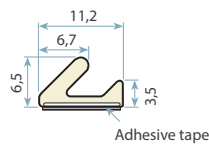
Metres/coil:
300



Made to Order

QL 3117

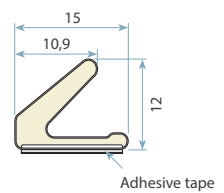
Metres/coil:
400



Made to Order

QL 3121

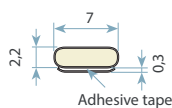
Metres/coil:
250



Made to Order

QL 3122

Metres/coil:
250



Made to Order

QL 3124

Metres/coil:
200/500/
1000/1500



Made to Order

FOR TIMBER



Year
Guarantee



10,000
Cycles

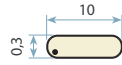


20
years
Weather
resistance

QL 3126

Metres/coil:
400/700

Shown without adhesive tape



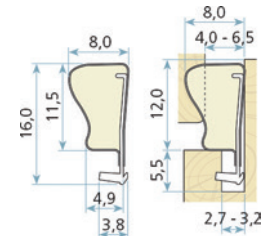
Shown with adhesive tape



Made to Order

QL 3141

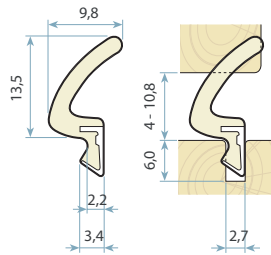
Metres/coil:
300



Made to Order

QL 7000

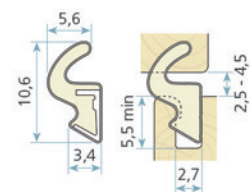
Metres/coil:
175



Stocked Item

QL 9480

Metres/coil:
400



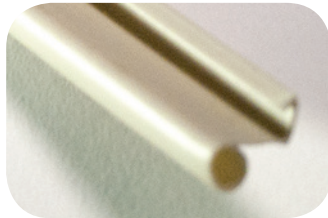
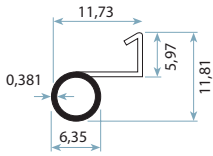
Stocked Item



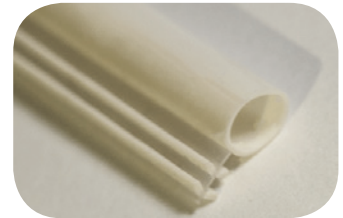
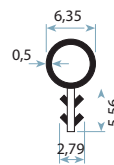
- Suitable for internal timber doors and sliding wardrobe, closet and sideboard doors
- Helps to reduce noise, dust and light contamination
- Available colours: brown, white, black, grey, beige, oak light and chestnut. Other colours available on request

APTUS BULB

AP415



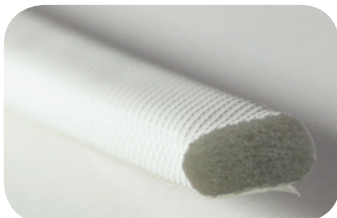
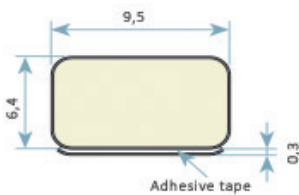
AP425



Code	Colour	Fixing Width	Fixing Depth	Gap Seal	Roll
		mm	mm	mm	size m
AP415BE	Beige	2.40	6.00	0.40 - 6.00	381
AP415BLK	Black	2.40	6.00	0.40 - 6.00	381
AP425BLK	Black	0.60	5.60	0.50 - 5.90	381
AP425BE	Beige	0.60	5.60	0.50 - 5.90	381
AP425WH	White	0.60	5.60	0.50 - 5.90	381

* Bronze also available

Zero Gap Seal (ZG): foam seal with adhesive back



- Central core compresses to as little as 1mm but recovers to original shape
- Liner resists wear and protects against U.V. light, ozone and water
- Is not affected by paints, stains, preservatives or solvents
- Will not become brittle or sticky
- Adhesive back gives firm fixing to both metal and wood
- Quick installation, no need to wait for curing time
- Very effective barrier against air and water infiltration
- Easy to clean
- Non shrink
- Will not rot or attract mildew

Code	Colour	Fixing Width	WxH	Compression	Roll
		mm	mm	mm	size m
ZG25B	Black	6.90	9.5 x 6.4	1	25
ZG25W	White	6.90	9.5 x 6.4	1	25
ZG50B	Black	6.90	9.5 x 6.4	1	50
ZGW50	White	6.90	9.5 x 6.4	1	50
ZG100B	Black	6.90	9.5 x 6.4	1	100
ZG100W	White	6.90	9.5 x 6.4	1	100

* Enquire for additional roll sizes

FIRE RETARDANT

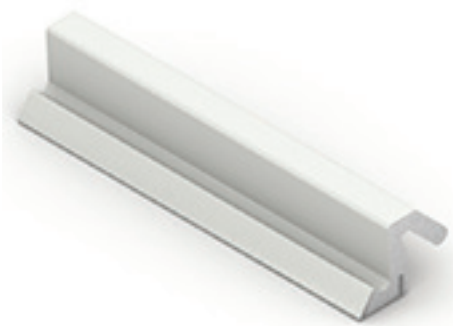
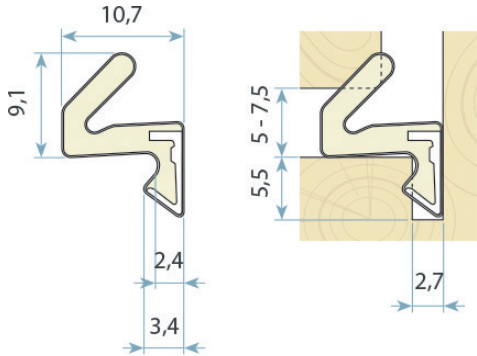
Schlegel's range of Q-Lon flame seals offer a complete solution to air, water, sound, smoke and fire penetration in one easy to install part.

Combines the superior weather resistant performance of Q-Lon seals with a complete smoke and fire seal in one product. Schlegel are continuously improving and testing.

- 10,000 cycles tested, protected by outer sheath
- Conforms to BS7412 and BS5750, BBA approved
- Offers excellent all-temperature sealing performance
- Easy insertion and maximum retention
- Shape and resiliency are retained over time
- UV stabilised and unaffected by ozone
- Maintains an attractive appearance
- Expands when in contact with flame
- Unaffected by rot and fungi
- Paint and stains proof
- Withstands extreme weather conditions
- Durable, stable and trusted
- Guaranteed by Schlegel warranty



FIRE RETARDANT



10
Year
Guarantee



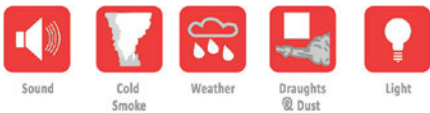
10,000
Cycles



20
years
Weather
resistance

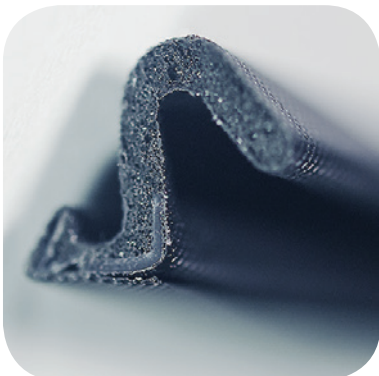
Code	Colour	Gap Seal mm	Roll Metre
AQ21BLK	Black	4.00-7.50	250
AQ21BR	Bronze	4.00-7.50	250
AQ21W	White	4.00-7.50	250
AQ21BE	Beige	4.00-7.50	250
AQ21BFR	Black FR	4.00-7.50	250

* Flame Retardant Intumescent = FR

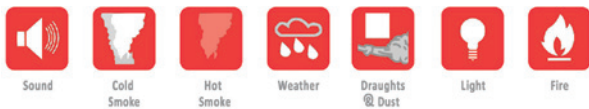


AQ21BFR Flame Retardant and Intumescent

- Tested to 550 °C ASTM D635 (equivalent to ISO 1210, IEC 60695-11-10, IEC 60707 UL94HB) and BS 476 smoke tested, passed BAL

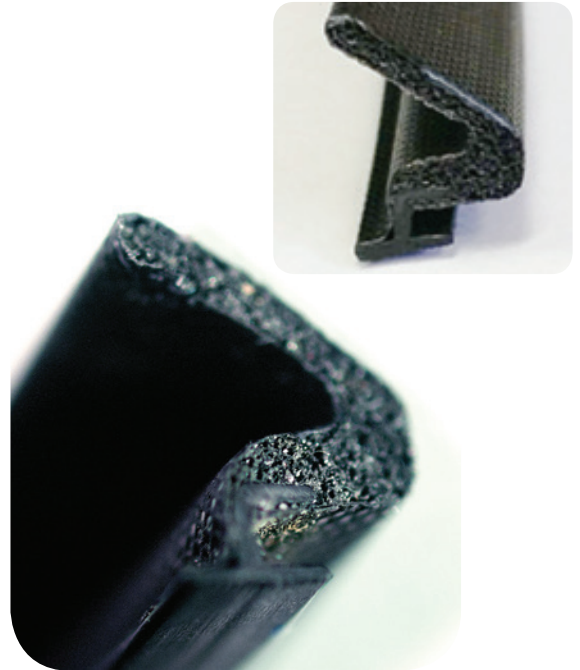
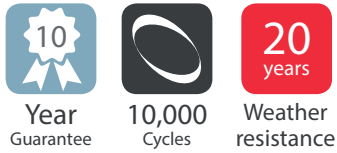
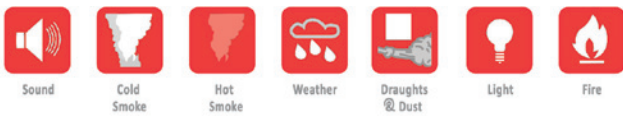
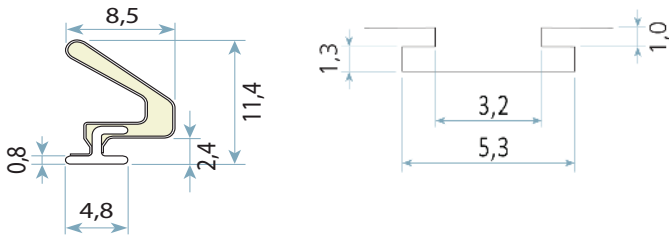


20 minutes of 550 °C

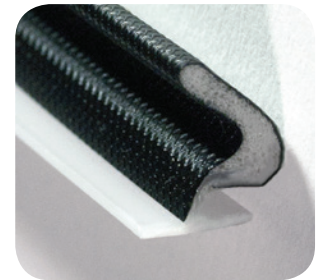
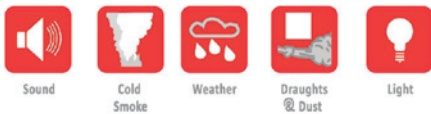
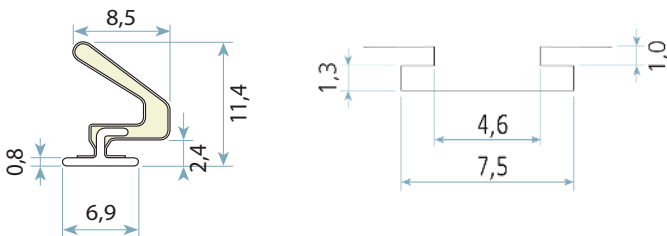


FIRE RETARDANT

AQ437B48FR (Flame Retardant and Intumescent)



AQ437B-ROCH (not Flame Retardant and Intumescent)



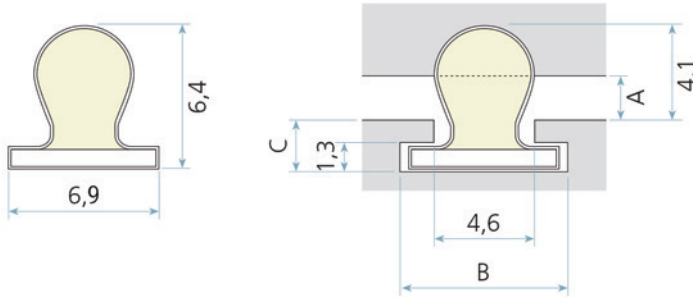
Superior compression for windows and doors to seal against air, water and noise. Flame retardant version QEZ 48 FR is also intumescent.

Code	Colour	Fixing	Width	Fixing Width	Fixing Depth	Gap Seal	Roll
			mm	mm	mm	mm	size m
AQ437B-ROCH	Black	T-Slot	6.9	3.20 - 5.30	2.30	4.00 - 9.00	305
AQ437B48FR	Black	T-Slot	4.8	3.20 - 5.30	2.30	4.00 - 9.00	305

* Flame Retardant intumescent = FR

FIRE RETARDANT

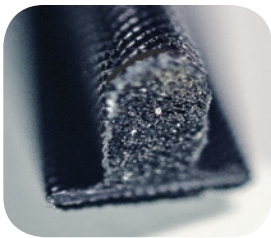
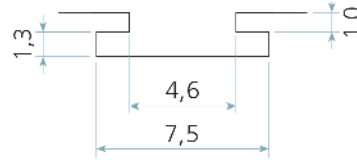
QL69650FR: Example



A Seal gap: 1,8 mm minimum to 3,4 mm maximum

B Retention slot throat: 4,6 mm nominal

C Minimum slot depth: 2,3 mm



Code	Gap Seal mm	Roll Size mm
QL48400FR	0.50-1.50	762
QL48500FR	1.10-2.40	610
QL48650FR	1.80-3.40	610
QL69400FR	0.50-1.50	762
QL69500FR	1.10-2.40	610
QL69650FR	1.80-3.40	610

* Colour black, Flame Retardant intumescent = FR



10
Year
Guarantee



10,000
Cycles



20
years
Weather
resistance



Sound



Cold
Smoke



Hot
Smoke



Weather



Draughts
Dust

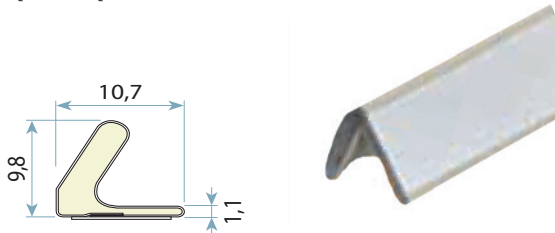


Light



Fire

QDS & QFS Seal with Adhesive Back



- Fire door frames and fire doors UL rated up to 3 hours (test conducted on fire door)
- Quick installation
- Shape and resiliency are retained over time
- UV stabilised and unaffected by ozone
- Maintains an attractive appearance

Product Code	Colour	Fixing	Fixing Width	Gap Seal mm	Roll Size m
QDS375BL3050	Black	Adhesive	10.35	3.25 - 5.50	3.0 length
QDS375BR3050	Bronze	Adhesive	10.35	3.25 - 5.50	3.0 length
QDS375WH3050	White	Adhesive	10.35	3.25 - 5.50	3.0 length
QFS375WH3050	White	Adhesive			

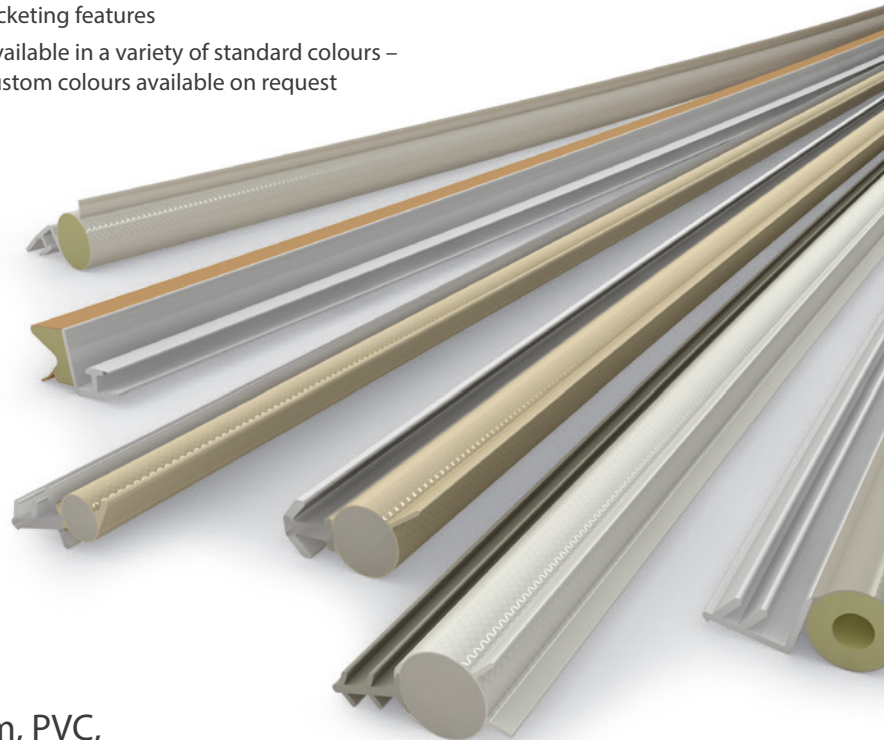
Foam-Tite Weatherseal: superior window and door protection

Schlegel specialises in the design and manufacture of high quality seals in standard and custom configurations for the fenestration industry. Our seals offer a superior way to eliminate air and water infiltration whilst maintaining excellent compression force and recovery properties.

The Foam-Tite closed cell foam profile has superior weather sealing performance, efficiently restricting air, light, water and sound infiltration. Available in standard and custom configurations, the foam remains flexible through thousands of compressions and ensures a long lifespan for your product.

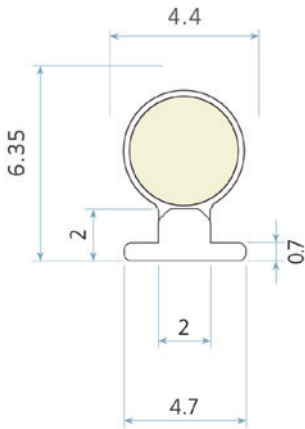
Foam-Tite – superior benefits:

- Three carrier styles – T-slot, Pocket-slot and Kerf-slot
- TPV foam core – high durability, superior recovery performance
- Range of surface options
- Fully customisable – to meet the needs of each application
- Foam can be shaped into bulbs, flippers, fins and hollows
- Excellent compression set resistance – achieves 'A' ratings when tested to AAMA 702 standard
- Nominal value of thermal conductivity – 0.067 W/m-K
- Extruded skin provides a unique UV resistant barrier
- Available with low friction Clad FT jacketing features
- Available in a variety of standard colours – custom colours available on request



Suitable for Aluminium, PVC,
Timber and Steel frames

Foam-Tite 32001: seamless compression seal



10
Year
Guarantee



10,000
Cycles



20
years
Weather
resistance



Sound



Cold
Smoke



Weather



Draughts
& Dust



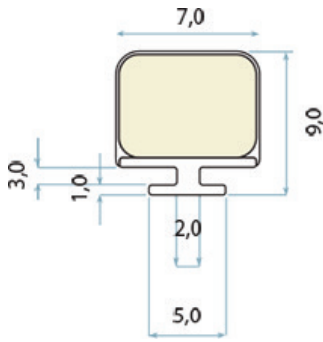
Light

- 100% closed cell to prevent water from penetrating foam cell structure
- Extruded skin provides a unique UV resistant barrier with design features that enhance the weather strip's sealing performance.
- All foam-tite products are CFC and Phthalate free



Code	Colour	Compression	Roll M
FT32001B	Black	25-50%	762

Foam-Tite 52319: foam weatherseal




10
Year
Guarantee



10,000
Cycles



20
years
Weather
resistance



Sound



Cold
Smoke



Weather



Draughts
& Dust



Light

- Excellent memory providing long term durability
- Low compression forces
- Unequaled weather resistance
- Superior thermal and acoustic performance



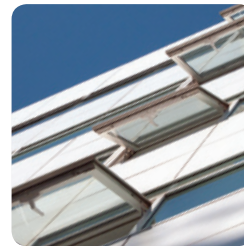
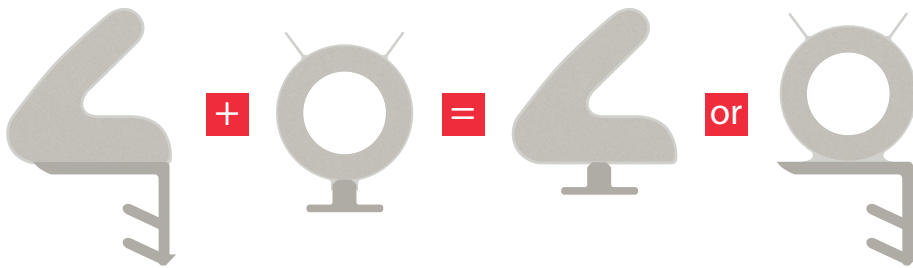
Code	Colour	Roll M
FT52319B	Black	305

Build Your Own Seal: hybrid seals

Foam-Tite hybrid seals allow you the flexibility to choose any foam shape and any carrier from our extensive range of profiles and combine them in one unique profile.

Foam-Tite hybrid seals – superior benefits:

- Product design versatility – based on extrusion
- Fast development and prototype turn around
- Fast design changes and modifications
- Low customisation costs
- Highest standards regarding intellectual property



Build Your Own Seal: custom options

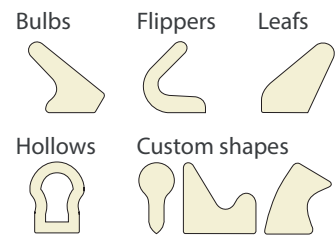
We offer a comprehensive portfolio of bespoke materials to suit your individual needs, enabling you to quickly and easily design and build your perfect weatherseal. By selecting from the following options, this will enable you to specify a weatherseal to your exact requirements, ensuring optimum performance for your application.

Surface options

- Flexible TPV
- PE film / liner on Clad FT range
- Pro Slip abrasion resistant coating
- Extruded coating process allows for the addition of unique features such as skin flaps

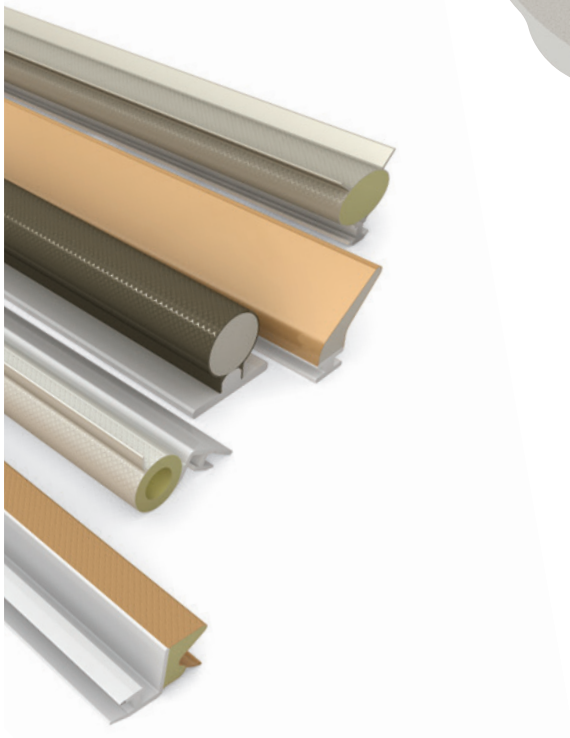
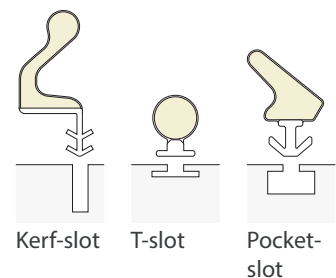
Foam options

A range of shapes and sizes are available, including:



Carrier options

- Profiles to suit all types of applications
- Manufactured from polypropylene or filled polypropylene (glass or talc)
- Co-extruded materials – flexible TPVs and PP / TPV blends
- Custom colours available on request

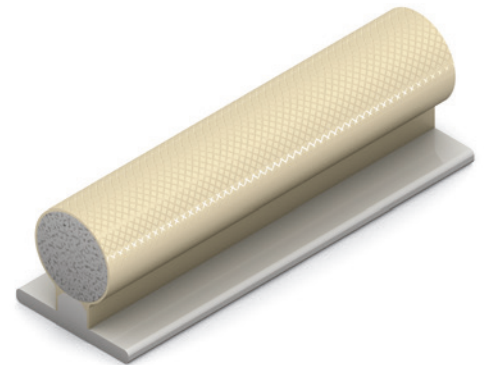


Build Your Own Seal: product options

Clad FT

The Clad FT liner is a low-friction / easy clean embossed PE film that is applied to the surface of the foam profiles:

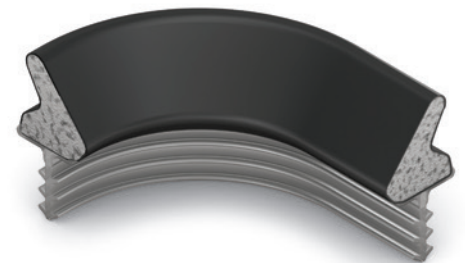
- Low-friction surface
- Extremely low compression force
- Superior recovery performance
- UV stability
- Effectively closed cell structure
- Available in black, white and beige as standard
- Easy clean surface



C2

The C2 weatherseal is manufactured from a soft compliant material enabling it to form a continuous corner whilst maintaining excellent sealing performance:

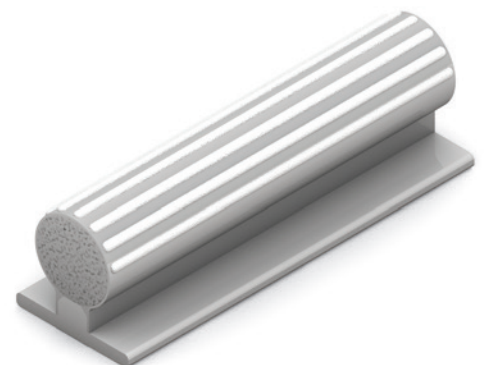
- Eliminates the need for welding or sealing mitred joints
- Easy to install – reduced costs and inventory
- Continuous seal – reduces air and water infiltration at corners and can be installed in one easy step continuously around the frame
- Soft TPV foam – low compression force
- Available in grey, black and beige as standard – custom colours available on request



Pro Slip coating

Pro Slip is a set of high-density polyethylene stripes that are added to the surface of the weatherseal to reduce surface friction, it features:

- Low-friction surface
- Extremely low compression force
- Superior recovery performance
- UV stability
- Effectively closed cell structure to ensure water can't penetrate
- Available in black, white and beige as standard – custom colours available on request
- Easy clean surface



Foam-Tite: example profiles

10
Year
Guarantee

10,000
Cycles

20
years
Weather
resistance

FT12094 **Made to Order**

T

G: 2.7 x 6.5 mm R: 7.5 mm S: 3.5 – 6.0 mm

FT12274 **Made to Order**

T

G: 2.2 x 6.5 mm R: 10.0 mm S: 4.5 – 7.5 mm

FT12298 **Made to Order**

T

G: 2.7 x 6.5 mm R: 5.0 mm S: 2.5 – 4.0 mm

FT12299 **Made to Order**

T

G: 2.2 x 6.5 mm R: 5.0 mm S: 2.5 – 4 mm

FT12300 **Made to Order**

T

G: 2.0 x 6.5 mm R: 9.0 mm S: 5.0 – 8.5 mm

FT12804 **Made to Order**

T

G: 2.0 x 6.5 mm R: 6.5 mm S: 3.0 – 5.1 mm

FT32005 **Made to Order**

P A

G: 5.3 mm R: – S: 1.5 – 2.75 mm

FT32106 **Made to Order**

P A

G: 4.6 mm R: – S: 2.5 – 4.5 mm

FT32316 **Made to Order**

P A

G: 5.3 mm R: – S: 3.5 – 6.0 mm

G = Groove; R = Rebate; S = Seal gap

T Suitable for timber applications **A** Suitable for aluminium applications **P** Suitable for PVC applications (for guidance only)

Foam-Tite: example profiles

10
Year
Guarantee

10,000
Cycles

20
years
Weather
resistance

FT32324 **Made to Order**

P **A**

G: 5.3 mm R: - S: 6.0 – 10.0 mm

FT32390 **Made to Order**

P **A**

G: 5.3 mm R: - S: 2.5 – 4.5 mm

FT32806 **Made to Order**

P **A**

G: 5.3 mm R: - S: 2.5 – 4.5 mm

FT52033 **Made to Order**

P

G: 2.5 x 3.5 mm R: - S: 3.5 – 4.0 mm

FT52041 **Made to Order**

P

G: 2.5 x 3.5 mm R: - S: 2.75 – 4.5 mm

FT52047 **Made to Order**

P **A**

G: 7.5 mm R: - S: 5.0 – 7.5 mm

G = Groove; R = Rebate; S = Seal gap

T Suitable for timber applications **A** Suitable for aluminium applications **P** Suitable for PVC applications (for guidance only)



FSA[®]

P +61 (3) 9773 3966

11 Ashley Park Drive
Chelsea Heights VIC
Australia 3196

www.fsa-aus.com.au