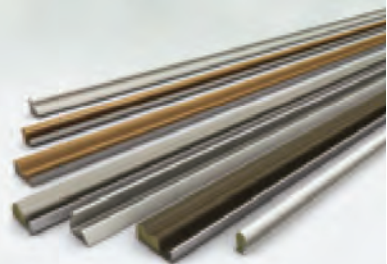


SCHLEGEL **PROTECTS** WHATEVER THE WEATHER



HIGH PERFORMANCE
SEALING SOLUTIONS



Quanex[®]

Schlegel

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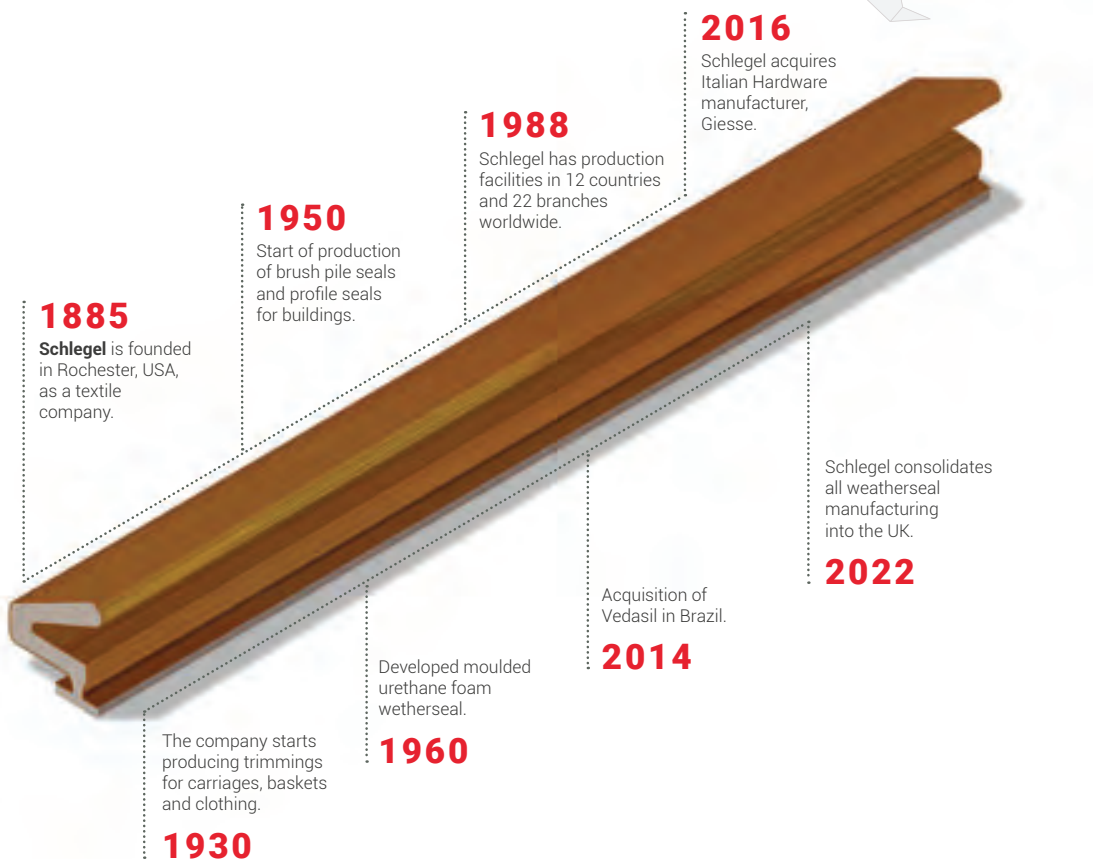
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ABOUT US

Schlegel was founded in Rochester, USA, in 1885 as a textile company. In 1930, it began producing brush seals and sealing profiles for buildings, before introducing foam seals in the 1960s.





WHY CHOOSE SCHLEGEL?

TRUSTED

We've earned an excellent reputation

PERFORMANCE

Quality products – the manufacturer of Q-LON

SERVICE

Bespoke service – Product customisation available

QUALITY

Unique manufacturing processes – Made in Britain

EXPERIENCE

Heritage – Over 140 years of experience and knowledge

CHOICE

Extensive product ranges

RESOURCES

Backed by Quanex, *a part of something bigger*

PEACE OF MIND

Technical expertise – Standards, accreditations, testing



Q-LON

Polyurethane foam seals

For timber, aluminium
and PVC-U applications



WHY CHOOSE Q-LON FROM SCHLEGEL?

Q-LON is widely recognised as the benchmark for gasket systems. It has exceptional technical, durability and reliability performance, ideal for use in a wide range of applications and challenging conditions.

Key benefits include:

BETTER COMPRESSION PERFORMANCE

Long-term compression set recovery to 90% of original shape

QUIETER INTERNAL ENVIRONMENTS

Leading sound reduction from extensive testing work

MINIMAL RISK OF WATER INGRESS

Q-LON is water resistant by design, with in-built inhibitors to provide a barrier to moisture

PERFORMANCE RELIABILITY

Minimal stretch during installation, for minimal creep back over time

LONGER LASTING

Thanks to compression recovery and technical quality

ENERGY SAVINGS

From very low thermal conductivity

EFFORTLESS GLIDE

Low friction liners suitable for sliding applications

FUSS-FREE CLEANING

Unaffected by many popular solvents and cleaning products

FAST MANUFACTURING

Bespoke designs support customer-specific production processes

PEACE OF MIND

Q-LON products are guaranteed for 10 years

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PVC-U. Door and window applications	36



MATERIALS AND COLOURS

The Schlegel Q-LON gasket, proudly **Made in the UK**, is crafted from a unique polyurethane foam encased in a weather-resistant polyethylene liner.

As the original innovation of its kind, Q-LON sets the standard for quality and performance in sealing solutions.

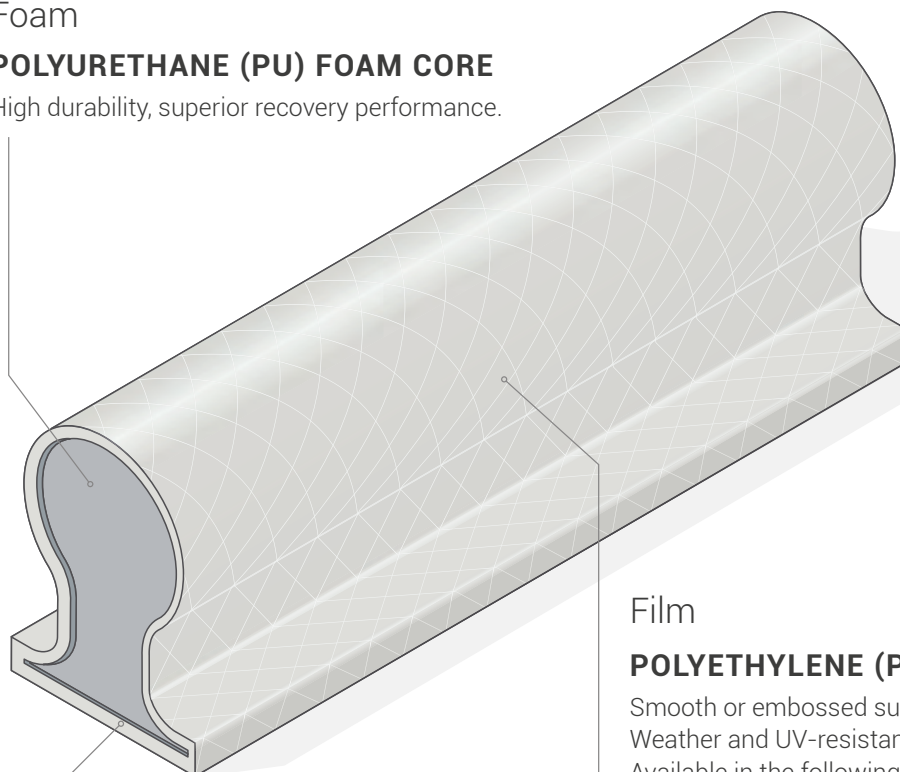
Q-LONs do not contain SVHC (Substances of Very High Concern) in a concentration above 0.1 % by weight.



Foam

POLYURETHANE (PU) FOAM CORE

High durability, superior recovery performance.



Film

POLYETHYLENE (PE) FILM

Smooth or embossed surface.

Weather and UV-resistant.

Available in the following colours:

Standard Colours

- WHITE / RAL 9003 / Code 222
- SILVER / RAL 7001 / Code 212
- BROWN / RAL 8019 / Code 220
- BLACK / RAL 9005 / Code 223

Extra Colours

- BEIGE / RAL 1001 / Code 211
- LIGHT OAK / RAL 8003 / Code 217
- FAWN BROWN / RAL 8007 / Code 218
- PURE WHITE / RAL 9010 / Code 221
- LIGHT GREY / RAL 7035 / Code 215
- PEBBLE GREY / RAL 7032 / Code 252
- GRAPHITE GREY / RAL 7024 / Code 214

Insert

POLYPROPYLENE (PP), POLYCARBONATE OR WITH GLASS FIBRE CORD

Prevents elongation and shrinkage.

*Accelerated ageing test performed according to DIN EN ISO 4892-2 on a selection of Q-LON and other seals on the market.

EVERLASTING

The **external polyethylene film** is not altered by paints, detergents or dyes. Its high resistance to atmospheric conditions and UV radiation ensures that Q-LON **lasts three times longer*** than the most common foam seals.

VERY LOW THERMAL CONDUCTIVITY

*Test performed in accordance with EN 12667:2001 standard in comparison with extruded gaskets

Q-LON polyurethane seals offer the **lowest thermal conductivity** on the market (**0.04 W/m·K at 0°C**), 3 to 6 times better than other materials.

FIRE RETARDANT

Seals classified to EN 13501-1, Class E, **designed to reduce the spread of fire** when in contact with it, slowing the speed of flames and avoiding the dispersion of flammable material.

LOOKING AT THE FUTURE



EXCELLENT MEMORY

The original formulation of Q-LON enables it to **return to its original shape after being compressed up to 50%** more than other extruded seals, even at extremely low temperatures.

EFFORTLESS AND PERFECT ADHERENCE

Thanks to the characteristic softness and adaptability of Q-LON, windows require a **low compression force** when closing. Q-LON therefore continues to provide a tight seal even when the window undergoes alterations due to temperature fluctuations or ageing.

EXCELLENT SOUND INSULATION

Exceptional acoustic **insulation performance** thanks to high compression ability.
Up to 4 dB* noise reduction compared with extruded seals.

Q-LON FOR SLIDING DOORS

LOW FRICTION
No linear damage
after **40,000** cycles

Compared with common brush seals, Q-LON offers highly superior air/water tightness, noise insulation performance and styling. **Tested for friction damage on sliding doors to 40,000 cycles.**

THERMAL CONDUCTIVITY

TO EN ISO 10077-1 2006 AND EN 12524 2012

The unique Q-LON seal is made from a special polyurethane foam, contained in a weather resistant polyethylene liner.

THERMAL CONDUCTIVITY

Section 4.12 of EN 14351-1 2006 stipulates the methods for determining thermal transmittance of windows and doors that can be used for EC Declarations of Performance. Common window configurations can use standard tables within EN 10077-1 2006 for declared thermal performance values, though more accurate values can be obtained by individual calculation or hot box testing. In accordance with 4.12 of EN 14351-1, calculations used for declaring thermal transmittance should be conducted in accordance with the methodology stipulated in EN ISO 10077-1 2006 and EN ISO 10077-2 2012. EN ISO 10077-2 2012 details the process for the calculation of frame element of windows, and doors, including weather seals and gaskets. For thermal calculations, it is necessary to understand the linear thermal transmittance, or thermal conductivity, of the individual frame component materials. Section 5.1 of EN ISO 10077-2 2012 refers to a further standard, EN ISO 10456 2007, as a suitable source of tabulated performance values for a variety of building materials.

WHICH SEAL HAS THE LOWEST CONDUCTIVITY?

Table 3 of EN ISO 10456 2007 details polyurethane foam weather seals with a linear thermal transmittance of 0.05 W/(m.K). This should be the value used for Q-LON seals within window and door specifications, when calculating thermal performance declarations in compliance with the requirements of EN 14351-1 2006.

The material performance values within **Table 1 of EN ISO 10456 2007 also highlight the superior thermal performance of Q-LON.**

There is a proverb that says: a chain is only as strong as its weakest link. This also applies to the fenestration industry. Doors and windows only perform as well as the seal. The thermal performance that can be achieved by a window

or door is determined by many different factors. The composition of the frame material and the glass are both very important. A low quality seal, however, can easily spoil the energy saving effects of insulated profiles and argon filled HR glass. Under EN ISO 10456:2007, the design thermal conductivity of different materials used for seals is detailed thus:

- EPDM 0.25 W/(m·K)
- PVC-U 0.14 W/(m·K)
- PU 0.05 W/(m·K)

In accordance with EN 12667 (Thermal performance of building materials and products - Determination of thermal resistance by means of guarded hot plate and heat flow meter methods), it now has been independently tested and certified by ift Rosenheim: Q-LON has a measured low thermal conductivity of **just 0.04 W/(m·K)**.

This is better than any other weather seal available in the market. Compared to other seals, energy loss is minimised. In combination with an excellent high compression recovery (on average higher than 90%) a high performance is also guaranteed over the long term.

Evidence of Performance	
Thermal conductivity (declared value)	
Test Report No. 15-003940-PR01 (PB-K03-06-en-02)	
Client	SCHLEGEL GERMANY GMBH Bredowstr. 33 22113 Hamburg Germany
Product	Flexible polyurethane foam boards
Designation	"Q - Lon Platten"
Performance-relevant product details	Dimensions: width x height x depth approx. 255 x 255; Material: Flexible polyurethane foam based on polyol, both sides with polyethylene facing / 95 µm; Foaming agent: water / carbon dioxide; Density in kg/m³: 125 to 136; Closed pore structure, open pores; Application: Seals for windows, doors
Conditioning	After delivery, the test specimens were conditioned at 23°C / 50 % relative humidity until achieving constant mass (0.1 % / 24 h).
Special features	The test specimens were characterised by unevenness resulting from the manufacturing process.
Result	Thermal conductivity (declared value) $\lambda_D = 0.041 \text{ W/(m} \cdot \text{K)}$
* The thermal conductivity was determined at an average temperature of 10°C.	
Instructions for use The test report serves to demonstrate the thermal conductivity (declared value) λ_D . Validity The data and results given refer solely to the tested and described specimen. This test!	
Representation 	



CLASSIFICATIONS

OF WEATHERSEALS ACCORDING TO EN 12365 2003

Under EN 12365 2003 there is a prescribed classification system that enables window, door, shutter and curtain walling manufacturers or installers to ensure that they are using the component that best meets their requirements.

A SIX-DIGIT SYSTEM IS USED

1	2	3	4	5	6
Category of use	Working range	Linear compression force	Working temperature range	Deflection recovery	Recovery after ageing
W = Weatherstrip G = Gasket	9 grades showing the working range of the seal; 9 indicates the greatest distance	9 grades showing the linear compression force; 9 indicates the greatest force	6 grades showing the working temperature range, Each with different high and low temperatures	8 grades showing deflection recovery; grade 0 indicates no requirement and grade 7 shows the greatest recovery	8 grades showing recovery after ageing; grade 0 indicates no requirement and grade 7 shows the greatest recovery

GRADES

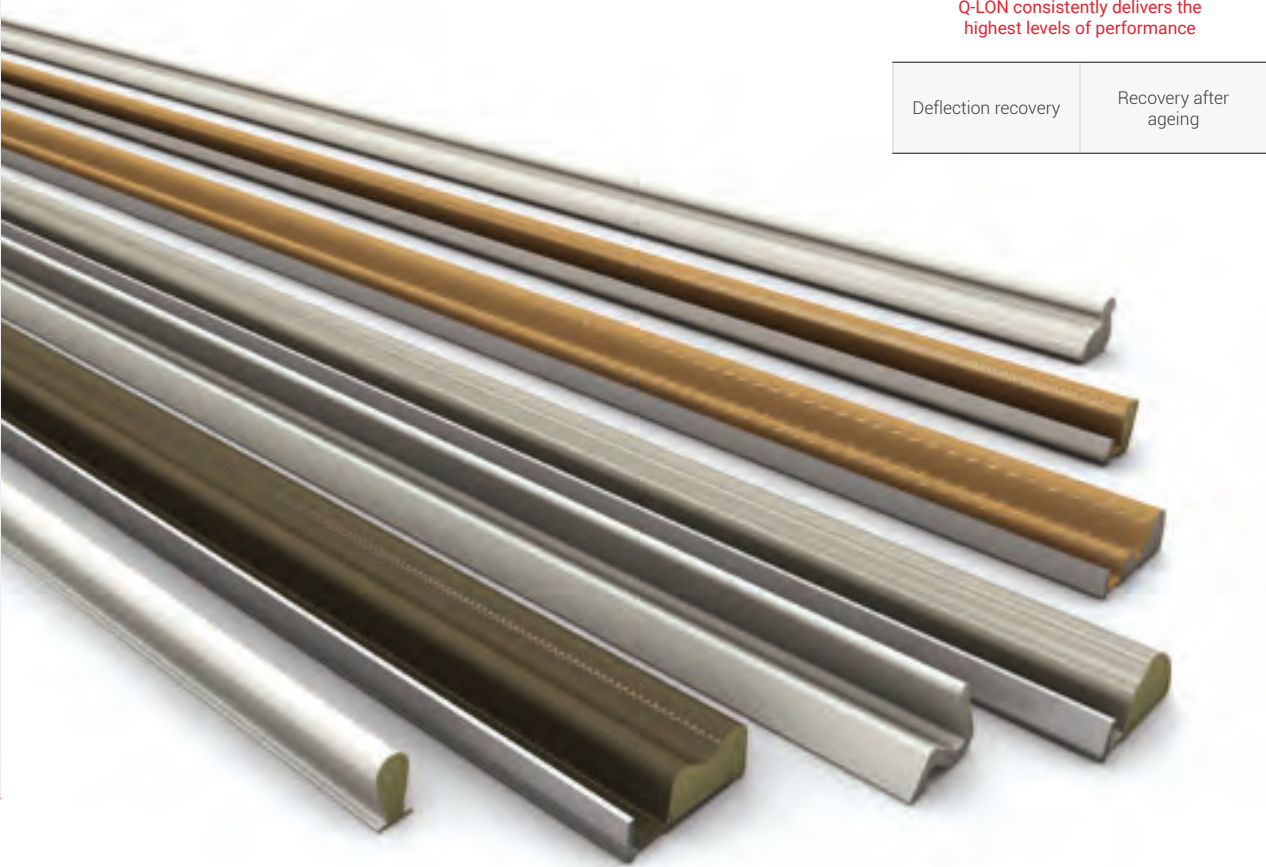
	1: ≤ 1 mm 2: >1 mm ≤2 mm 3: >2 mm ≤4 mm 4: >4 mm ≤6 mm 5: >6 mm ≤8 mm 6: >8 mm ≤10 mm 7: >10 mm ≤15 mm 8: >15 mm ≤30 mm 9: >30 mm	1: ≤ 10 N/m 2: >10 N/m ≤20 N/m 3: >20 N/m ≤50 N/m 4: >50 N/m ≤100 N/m 5: >100 N/m ≤200 N/m 6: >200 N/m ≤500 N/m 7: >500 N/m ≤700 N/m 8: >700 N/m ≤1000 N/m 9: >1000 N/m	1: 0°C to +45°C 2: -10°C to +55°C 3: -20°C to +85°C 4: -25°C to +100°C 5: -40°C to +70°C 6: 0°C to +200°C	0: No requirements 1: >30% to 40% 2: >40% to 50% 3: >50% to 60% 4: >60% to 70% 5: >70% to 80% 6: >80% to 90% 7: >90%	0: No requirements 1: >30% to 40% 2: >40% to 50% 3: >50% to 60% 4: >60% to 70% 5: >70% to 80% 6: >80% to 90% 7: >90%
--	---	---	--	---	---

A TYPICAL CLASSIFICATION LOOKS LIKE THIS

W	4	3	2	7	6
---	---	---	---	---	---

Q-LON consistently delivers the highest levels of performance

Deflection recovery	Recovery after ageing
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PERFORMANCE TABLES

The methodology for the linear compression test, the deflection recovery test and the recovery after ageing test are all described in EN 12365 2003 parts 2, 3 and 4.
The Schlegel testing facilities in Aycliffe are accredited by ift Rosenheim.

Q-LON CLASSIFICATION TO EN 12365 2003

QL 1026	W	2	6	2	7	6
QL 1032	W	3	5	2	7	6
QL 3004	W	2	6	2	7	6
QL 3005	W	3	5	2	6	6
QL 3006	W	6	2	2	7	6
QL 3009	W	3	2	2	6	6
QL 3011	W	3	5	2	7	6
QL 3012	W	4	5	2	7	6
QL 3013	W	1	5	2	7	6
QL 3020	W	4	4	2	6	6
QL 3025	W	2	5	2	6	6
QL 3034	W	3	6	2	7	6
QL 3037	W	3	5	2	6	6
QL 3042	W	2	4	2	7	6
QL 3053	W	3	5	2	6	6
QL 3054	W	3	5	2	7	6
QL 3056	W	3	4	2	7	5
QL 3059	W	3	3	2	6	5
QL 3061	W	3	3	2	6	6
QL 3063	W	3	6	2	6	6
QL 3067	W	3	5	2	7	6
QL 3068	W	3	5	2	7	5
QL 3070	W	2	5	2	6	6
QL 3072	W	2	4	2	6	5
QL 3073	W	4	4	2	7	5
QL 3074	W	2	6	2	7	6
QL 3076	W	3	4	2	6	6
QL 3078	W	3	3	2	6	6
QL 3079	W	2	4	2	6	6
QL 3082	W	3	5	2	7	5
QL 3091	W	4	4	2	6	5
QL 3093	W	4	4	2	6	6
QL 3094	W	3	2	2	6	5
QL 3095	W	3	2	2	7	5
QL 3096	W	3	3	2	6	5
QL 3097	W	3	5	2	6	6
QL 3098	W	3	3	2	6	6
QL 3099	W	3	3	2	6	6
QL 3101	W	3	5	2	7	6
QL 3102	W	3	3	2	6	6
QL 3104	W	4	4	2	7	5
QL 3106	W	2	5	2	7	6
QL 3109	W	4	3	2	7	6
QL 3110	W	2	5	2	6	6
QL 3111	W	3	5	2	5	6
QL 3113	W	3	5	2	6	6
QL 3116	W	3	4	2	6	6
QL 3117	W	2	3	2	6	6
QL 3118	W	3	1	2	7	6
QL 3121	W	3	2	2	6	6
QL 3122	W	1	7	2	7	6
QL 3124	W	1	6	2	7	6
QL 3126	W	1	7	2	7	6
QL 3128	W	3	2	2	6	5
QL 3131	W	2	5	2	6	6
QL 3138	W	2	5	2	7	6
QL 3139	W	3	1	2	7	6
QL 3140	W	3	5	2	6	6
QL 3141	W	3	5	2	5	5
QL 3141	W	2	4	2	5	5
QL 3143	W	2	6	2	7	5
QL 3147	W	3	4	2	6	6
QL 3150	W	3	3	2	6	6
QL 3151	W	3	3	2	6	6
QL 3152	W	3	3	2	6	6
QL 4465	W	2	5	2	6	6
QL 45	W	2	7	2	7	6
QL 46105	W	3	6	2	7	6
QL 46800	W	2	5	2	6	6
QL 48400	W	1	6	2	6	6
QL 48510	W	1	5	2	5	6
QL 48650	W	2	5	2	5	6
QL 4870	W	2	3	2	6	6
QL 48700	W	3	3	2	7	6
QL 48750	W	2	5	2	6	6
QL 48800	W	3	4	2	7	6
QL 48950	W	3	4	2	6	6
QL 50	W	2	5	2	7	6
QL 55	W	2	5	2	6	6
QL 5570	W	2	4	2	6	6
QL 5626	W	3	3	2	5	6
QL 5694	W	4	3	2	6	6
QL 57700	W	2	5	2	6	6
QL 5878	W	2	5	2	4	6
QL 60	W	3	5	2	7	6
QL 6571	W	3	5	2	6	6
QL 6750	W	3	4	2	6	6
QL 69400	W	1	5	2	5	6
QL 69510	W	1	5	2	4	6
QL 69650	W	1	5	2	6	6
QL 69700	W	3	3	2	7	6
QL 69750	W	2	4	2	6	6
QL 69800	W	3	4	2	6	6
QL 6991	W	2	5	2	6	6
QL 69950	W	3	4	2	6	6
QL 7000	W	5	2	2	6	6
QL 70012	W	3	2	2	6	6
QL 70013	W	3	2	2	6	6
QL 70014	W	3	4	2	7	6
QL 7066	W	3	3	2	6	6
QL 7307	W	3	5	2	7	6
QL 836	W	3	3	2	6	6
QL 9005	W	2	4	2	6	6
QL 9100	W	3	5	2	7	6
QL 9111	W	3	4	2	6	6
QL 9112	W	3	5	2	7	6
QL 9154	W	3	5	2	6	6
QL 9171	W	2	5	2	6	6
QL 9257	W	3	3	2	7	6
QL 9489	W	2	6	2	7	6
QL 9536	W	4	3	2	7	6
QL 9596	W	2	6	2	7	6
QL 9646	W	3	5	2	7	6
QL 9608	W	3	3	2	7	6
QL 9613	W	3	3	2	7	6
QL 9688	W	3	3	2	7	6
QL 9898	W	3	5	2	7	6
QL 9926	W	3	3	2	7	6
QL 9928	W	3	4	2	7	6
QL 9985	W	3	5	2	7	6



Q-LON

Brush pile

Extruded

RANGE OVERVIEW

UNIVERSAL SURFACE FITTING

Code	Dimensions (mm)			
	Seal		Application	
	Width	Height	Rebate	Seal gap
Taped				
QL 1026	12.0	4.0	12.0	1.0 - 3.0
QL 1032	12.0	7.0	12.0	2.0 - 6.0
QL 3116	10.8	8.7	11.0	3.0 - 5.5
QL 3117	11.2	6.5	11.0	3.0 - 5.5
QL 3121	15.0	12.0	15.0	5.0 - 10.0
QL 3122	7.0	2.2	7.0	0.5 - 2.0
QL 3124	6.4	3.7	6.0	2.5 - 3.5
QL 3126	10.0	3.0	10.0	1.0 - 2.5
QL 9171	8.0	6.0	8.0	4.5
Untaped				
QL 3042	11.2	6.5	11.0	3.0 - 5.5
QL 3059	10.8	8.7	11.0	3.0 - 5.5
QL 3061	15.0	12.0	15.0	5.0 - 10.0
QL 9171	8.0	6.0	8.0	4.5

INTERIOR DESIGN (TIMBER DOORS AND FURNITURE)

Code	Dimensions (mm)			
	Groove		Rebate	Seal gap
	Throat width	Min. depth		
QL 50	2.7 - 3.0	6.0	10.0	3.0 - 5.0
QL 55	2.7 - 3.0	6.0	10.0	3.0 - 4.5
QL 60	2.7 - 3.0	6.0	10.0	3.0 - 4.5
QL 3037	2.7 - 3.0	6.0	10.0	3.5 - 5.6
QL 3056	2.7 - 3.0	6.0	9.0	4.0 - 7.5
QL 3072	2.7 - 3.2	6.5	10.0	2.7 - 4.3
QL 3091	4.0 - 5.0	7.5	15.0	4.0 - 8.0
QL 3094	2.7 - 3.2	6.5	10.0	4.0 - 6.0
QL 3097	4.0 - 5.0	7.5	18.0	3.5 - 6.0
QL 3100	3.5 - 4.0	6.5	12.0	4.0 - 7.5
QL 3106	3.5 - 4.0	6.5	12.0	3.0 - 5.0
QL 3110	3.5 - 4.0	6.5	12.0	3.5 - 4.0
QL 3113	3.5 - 4.0	7.0	12.0	4.0 - 7.5
QL 3138	2.7 - 3.2	6.0	8.0	3.0 - 4.5
QL 9985	2.7 - 3.0	6.0	10.0	3.0 - 6.5
QL 70014	4.0	7.0	8.0	4.1 - 7.0

INTERIOR DESIGN (TIMBER DOORS AND FURNITURE)

Location	Dimensions (mm)		
	Groove		Seal gap
	Throat width	Depth	
QL 3006	2.7 - 3.0	6.0	5.0 - 13.0
QL 3009	2.7 - 3.0	6.0	4.0 - 7.5
QL 3011	2.7 - 3.0	6.0	3.5 - 5.5
QL 3012	2.7 - 3.0	6.0	4.0 - 6.5
QL 3013	2.7 - 3.0	6.0	2.0 - 3.0
QL 3034	2.7 - 3.0	8.0	0.0 - 1.5
QL 3070	2.7 - 3.0	8.0	0.0 - 1.5
QL 3073	4.0 - 5.0	7.5	5.0 - 8.0
QL 3074	2.7 - 3.2	6.5	3.5 - 5.5
QL 3077	2.7 - 3.0	6.0	2.0 - 3.0
QL 3078	3.0 - 3.3	6.0	4.0 - 7.5
QL 3079	3.2 - 4.0	6.5	2.7 - 4.3
QL 3093	2.7 - 3.0	7.0	4.0 - 8.0
QL 3095	3.5 - 4.0	6.5	4.0 - 6.0
QL 3096	4.0 - 5.0	7.5	3.0 - 6.0
QL 3098	3.0 - 4.0	7.5	3.0 - 6.0
QL 3099	3.0 - 3.3	6.0	4.0 - 7.5
QL 3102	3.7 - 4.2	7.0	5.0 - 7.5
QL 3104	4.0 - 5.0	7.5	5.0 - 9.0
QL 3109	4.0 - 5.0	7.0	5.0 - 9.0
QL 3118	3.0 - 3.3	7.0	4.0 - 7.5
QL 3128	2.7 - 3.0	7.0	4.0 - 7.5
QL 3131	2.7 - 3.0	8.0	0.0 - 1.5
QL 3139	2.7 - 3.0	7.0	4.0 - 7.5
QL 5626	2.7 - 3.0	6.0	4.7 - 7.5
QL 5694	2.7 - 3.0	6.0	6.0 - 11.0
QL 7000	2.7 - 3.0	6.0	4.0 - 10.8
QL 7066	2.7 - 3.0	6.0	4.8 - 7.7
QL 9111	3.0 - 3.3	6.0	4.8 - 7.9
QL 9480	2.7 - 3.0	6.0	3.5 - 7.0

TIMBER WINDOWS

	Dimensions (mm)			
Code	Groove		Rebate	Seal gap
	Throat width	Min. depth		
Centre seal				
QL 3053	4.0 - 5.0	7.5	12.0	4.5 - 6.0
QL 3063	4.0 - 5.0	7.5	12.0	5.5 - 7.5
QL 3067	4.0 - 5.0	7.5	12.0	4.0 - 6.0
QL 3068	3.4 - 4.2	6.5	11.0	4.5 - 6.5
QL 3072	2.7 - 3.2	6.5	10.0	2.7 - 4.3
QL 3076	3.0 - 3.5	6.0	10.0	3.0 - 6.0
QL 3079	3.2 - 4.0	6.5	10.0	2.7 - 4.3
QL 3101	2.7 - 3.2	7.0	13.0	3.5 - 6.0
QL 3111	3.5 - 4.0	7.0	12.0	3.5 - 4.0
QL 3140	4.0 - 5.0	7.5	15.0	4.0 - 6.5
QL 3141	2.7 - 3.2	5.5	12.0	4.0 - 6.5
QL 3147	3.0 - 3.5	6.0	10.0	3.0 - 6.0
Overlap seal				
QL 3034	2.7 - 3.0	8.0	8.5	0.0 - 1.5
QL 3054	2.8 - 3.2	5.5	10.0	4.0 - 6.0
QL 3070	2.7 - 3.0	8.0	8.0	0.0 - 1.5
QL 3097	4.0 - 5.0	7.5	18.0	3.5 - 6.0
QL 3131	2.7 - 3.0	8.0	8.0	0.0 - 1.5
QL 3141	2.7 - 3.2	5.5	12.0	4.0 - 6.5
Frame seal				
QL 3004	2.7 - 3.0	6.0	10.5	3.0 - 5.0
QL 3005	2.7 - 3.0	6.0	8.0	3.4 - 5.4
QL 3006	2.7 - 3.0	6.0	13.0	5.0 - 13.0
QL 3009	2.7 - 3.0	6.0	11.0	4.0 - 7.5
QL 3011	2.7 - 3.0	6.0	10.0	3.5 - 5.5
QL 3012	2.7 - 3.0	6.0	11.0	4.0 - 6.5
QL 3013	2.7 - 3.0	6.0	8.0	2.0 - 3.0
QL 3025	2.7 - 3.0	6.0	10.5	3.0 - 5.0
QL 3037	2.7 - 3.0	6.0	10.0	3.5 - 5.6
QL 3056	2.7 - 3.0	6.0	9.0	4.0 - 7.5
QL 3074	2.7 - 3.2	6.5	8.5	3.5 - 5.5
QL 3077	2.7 - 3.0	6.0	8.0	2.0 - 3.0
QL 3078	3.0 - 3.3	6.0	10.5	4.0 - 7.5
QL 3082	2.7 - 3.2	5.0	8.0	3.0 - 5.0
QL 3099	3.0 - 3.3	6.0	10.5	4.0 - 7.5
QL 3118	3.0 - 3.3	7.0	9.0	4.0 - 7.5
QL 3128	2.7 - 3.0	7.0	9.0	4.0 - 7.5
QL 3139	2.7 - 3.0	7.0	9.0	4.0 - 7.5
QL 3143	2.7 - 3.0	6.0	10.5	3.0 - 5.0
QL 5878	2.7 - 3.0	6.0	10.0	3.2 - 4.9
QL 9985	2.7 - 3.0	6.0	10.0	3.0 - 6.5

ALUMINIUM WINDOWS AND DOORS

	Dimensions (mm)		
	Location		Seal gap
Code	Throat width	Depth	
Type A (5.3 mm)			
QL 46105	3 - 3.2	2.3	5 - 5.5
QL 46800	2.6 - 3.2	2.3	3 - 3.5
QL 4636	3.2	2.3	1.0 - 2.5
QL 4870	3.2	2.3	2.5 - 4.0
QL 48100	3.2	2.3	5.5 - 7.0
QL 48400	3.2	2.3	0.5 - 2.0
QL 48510	3.2	2.3	1.1 - 2.4
QL 48650	3.2	2.3	1.8 - 3.4
QL 48700	3.2	2.3	2.5 - 6.0
QL 48800	3.2	2.3	2.5 - 7.0
QL 48750	3.2	2.3	2.7 - 4.6
QL 48950	3.2	2.3	4.0 - 6.5
QL 70013	3.2	5.3	4.5 - 8.5
QL 57700	3.8	2.3	2.3 - 4.0
QL 6970	4.6	2.3	2.5 - 4.0
QL 69100	4.6	2.3	5.5 - 7.0
QL 69400	4.6	2.3	0.5 - 1.5
QL 69510	4.6	2.3	1.1 - 2.4
QL 69650	4.6	2.3	1.8 - 3.4
QL 69700	4.6	2.3	2.5 - 6.0
QL 69750	4.6	2.3	2.7 - 4.6
QL 69800	4.6	2.3	2.5 - 7.0
QL 69950	4.6	2.3	4.0 - 6.5
QL 70012	4.6	7.5	4.5 - 8.5



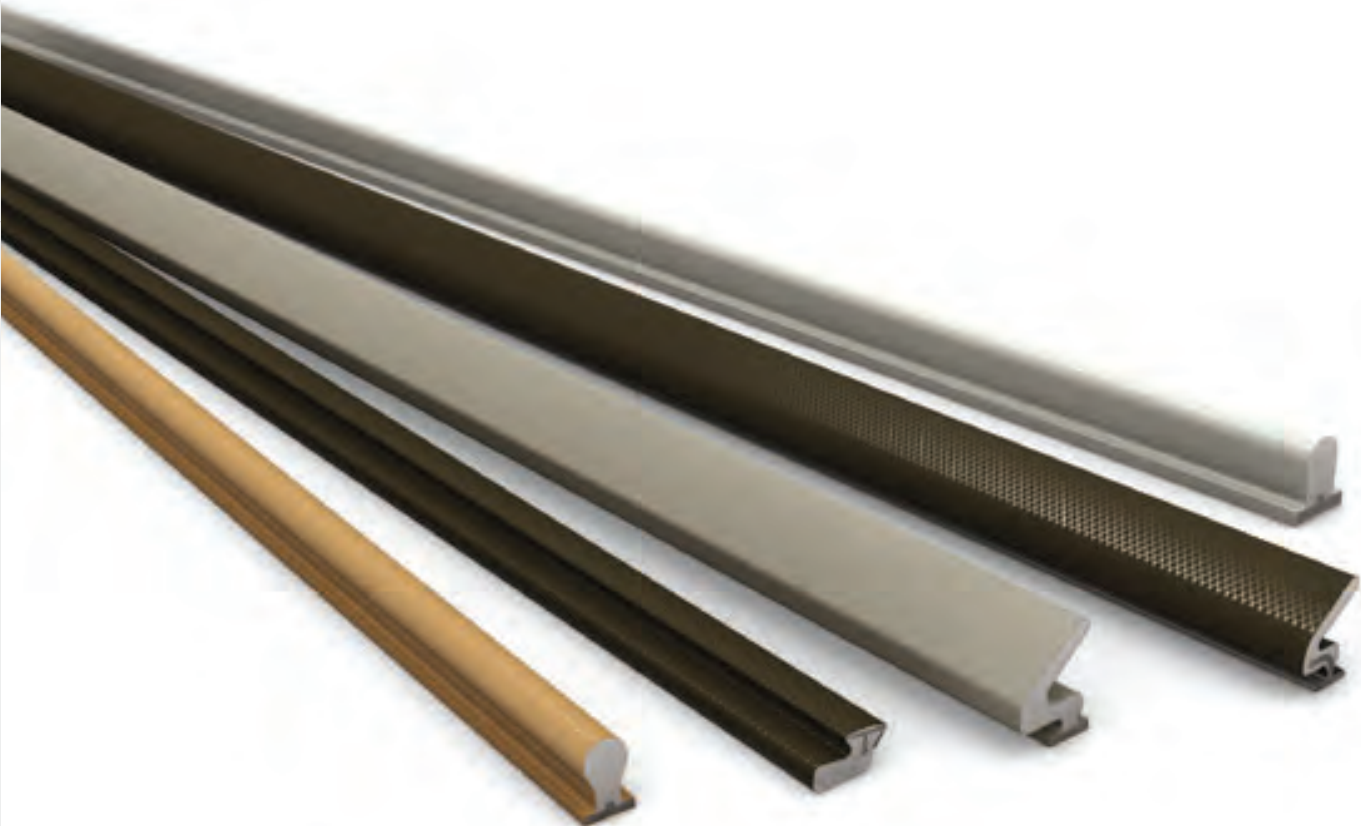
Q-LON

Brush pile

Extruded

PVC-U WINDOWS AND DOORS

Code	Dimensions (mm)	
	Location	Seal gap
	Throat width	
QL 4465	4.2	3.0 - 4.8
QL 5570	3.3	3.0 - 4.8
QL 6571	3.0	3.0 - 5.0
QL 6991	3.9	2.0 - 3.2
QL 7307	3.2	2.8 - 4.4
QL 9005	2.4	2.5 - 4.1
QL 9100	2.4	2.7 - 4.4
QL 9112	3.2	3.0 - 4.9
QL 9154	3.2	2.8 - 4.5
QL 9257	3.2	4.5 - 7.1
QL 9489	3.4	2.5 - 4.0
QL 9536	3.9	4.0 - 8.0
QL 9596	3.4	2.5 - 4.0
QL 9646	3.6	3.5 - 5.5
QL 9688	2.8	3.0 - 7.0
QL 9898	3.2	3.0 - 5.5
QL 9926	3.2 - 3.4	3.0 - 7.5
QL 9928	3.2 - 3.4	3.0 - 7.5





CERTIFICATIONS

CRADLE TO CRADLE

The construction industry is just one of many sectors that are adapting to meet the need for **more sustainable production processes** and more efficient use of resources.

The current transition towards a circular economy is driving **Schlegel** towards the use of materials and products free from chemicals

that harm people and the environment, without however reducing our high quality standards.

Sustainability certifications also hold important value in the market, especially since some countries have imposed mandatory environmental certification for specific products.



In 2020 Schlegel joined the certification programme led by the Cradle to Cradle Products Innovation Institute. This innovative initiative promotes sustainability by driving the transformation towards the design and production of products with a positive impact.

The Cradle to Cradle Certified® Products Programme is a multi-attribute, continuous improvement methodology that evaluates products across five categories of human and environmental health.

It evaluates products across five categories of human and environmental health. Each product is assigned a level for each category.

The standard encourages continuous improvement over time by awarding certification based on ascending levels of achievement.

Cradle to Cradle Certified® is recognised as a preferred product certification by many leading brands, organisations and sustainability standards. For Schlegel this is only the first step towards more ambitious goals.

MATERIAL HEALTH

Products are designed and developed through a process of inventorying, assessing and optimising chemical materials.

CIRCULAR ECONOMY

No more waste: products remain in a perpetual cycle of use and reuse.

RENEWABLE ENERGY & CARBON MANAGEMENT

Products are manufactured using renewable energy.

WATER STEWARDSHIP

Since water is a valuable resource, watersheds are protected, leaving clean water available to people and all other organisms.

SOCIAL FAIRNESS

Business operations have to take into account all people and natural systems affected by a product manufacturing cycle.



Find out more about the **Cradle to Cradle®** certification system



TRUSTED CERTIFICATIONS

EN 12365

Performance requirement and classification of gaskets for fenestration. Aiding in seal selection

COMPRESSION SET TESTING

Based on EN 12365-4 Recovery after ageing at maximum working temperature.
For improved sealing life

UV RESISTANCE

Accelerated weather test acc. to DIN EN ISO 4892-2 - Surface liner. Tests at: 2 GJ/m², 4 GJ/m² (6 GJ/m², 8 GJ/m²) for improved longevity

THERMAL CONDUCTIVITY

Tested to EN 12667:2001 ;D = 0.041 W/(m • K).
Low thermal transmittance supports improved window classification.

KOMO

KOMO is the premier quality mark for the building and infrastructure sector in the Netherlands

FIRE RETARDANT VERSION

Tested according EN 13501-1 Class E.
For Fire Rated doors.

EXTREME WEATHER RESISTANCE (RUSSIAN STANDARD)

TU5775-001-4900-1519-07.

Testing various properties and performance of seals at extreme climatic conditions - eg-60C



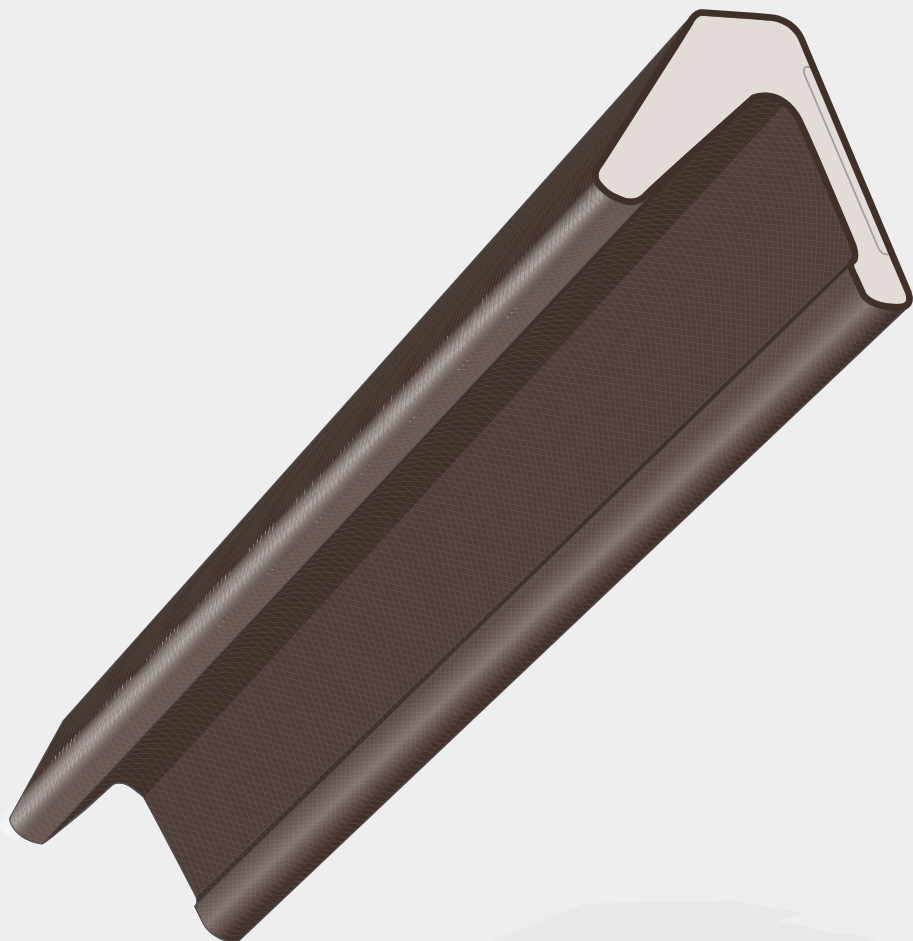


Code	Certification				Cradle to Cradle
	EN 12365	KOMO	SKZ	Sintef	
QL 1026	x	x			x
QL 1032	x	x			x
QL 3004	x	x			x
QL 3005	x	x		x	x
QL 3006	x	x			x
QL 3009	x	x			x
QL 3011	x	x			x
QL 3012	x	x			x
QL 3013	x	x		x	x
QL 3020	x	x			
QL 3025	x	x			x
QL 3034	x	x			x
QL 3037	x	x			x
QL 3042	x	x			x
QL 3053	x	x		x	x
QL 3054	x	x			x
QL 3056	x	x		x	x
QL 3059	x	x			x
QL 3061	x	x			x
QL 3063	x	x			x
QL 3067	x	x			x
QL 3068	x	x			x
QL 3070	x	x			x
QL 3072	x	x		x	x
QL 3073	x	x			x
QL 3074	x	x			x
QL 3076	x	x		x	x
QL 3077		x			x
QL 3078	x	x		x	x
QL 3079	x	x			x
QL 3082	x	x		x	x
QL 3091	x	x		x	x
QL 3093	x	x			x
QL 3094	x	x		x	x
QL 3095	x	x			x
QL 3096	x	x		x	x
QL 3097	x	x			x
QL 3098	x	x			x
QL 3099	x	x			x
QL 3101	x	x			x
QL 3102	x	x			x

Code	Certification				Cradle to Cradle
	EN 12365	KOMO	SKZ	Sintef	
QL 3104	x	x		x	x
QL 3106	x	x			x
QL 3109	x	x			x
QL 3110	x				x
QL 3111	x	x			x
QL 3113		x			x
QL 3116	x	x			x
QL 3117	x	x			x
QL 3118	x	x		x	x
QL 3121	x	x			x
QL 3122	x	x			x
QL 3124	x	x			x
QL 3126	x	x			x
QL 3128	x	x		x	x
QL 3131	x	x			x
QL 3138	x				x
QL 3139	x	x			x
QL 3140	x	x			x
QL 3141	x	x			x
QL 3143	x	x		x	x
QL 3147	x	x		x	x
QL 3150	x	x			
QL 3151	x	x			x
QL 3152	x				
QL 4465	x	x	x ¹		x
QL 45	x	x	x ¹		
QL 46105	x		x ¹		x
QL 46800	x		x ¹		x
QL 48400	x	x	x ¹		x
QL 48510	x	x	x ¹		x
QL 48650	x	x	x ¹		x
QL 4870	x	x	x ¹		x
QL 48700	x	x	x ¹		x
QL 48750	x	x	x ¹		x
QL 48800	x	x	x ¹		x
QL 48950	x	x	x ¹		x
QL 50	x	x			x
QL 55	x	x			x
QL 5570	x	x	x ¹	x	x
QL 5626	x	x			
QL 5694	x	x			x

Code	Certification				Cradle to Cradle
	EN 12365	KOMO	SKZ	Sintef	
QL 57700	x	x	x ¹		x
QL 5878	x	x	x ¹		x
QL 60	x	x			x
QL 6571	x	x	x ¹		x
QL 69400	x	x	x ¹		x
QL 69510	x	x	x ¹		x
QL 69650	x	x	x ¹		x
QL 69700	x	x	x ¹		x
QL 69750	x	x	x ¹		x
QL 69800	x	x	x ¹		x
QL 6991	x	x	x ¹		x
QL 69950	x	x	x ¹		x
QL 7000	x	x			x
QL 70012	x				
QL 70013	x				
QL 70014	x				
QL 7066	x	x	x ¹		x
QL 7307	x	x	x ¹		x
QL 836	x	x	x ¹		x
QL 9005	x	x	x ¹		x
QL 9100	x	x	x ¹		x
QL 9111	x	x			x
QL 9112	x	x	x ¹		x
QL 9154	x	x	x ¹		x
QL 9171	x				
QL 9257	x	x	x ¹		x
QL 9480					
QL 9489	x	x		x	x
QL 9536	x	x	x ¹		
QL 9596	x	x	x ¹		
QL 9646	x	x	x ¹	x	x
QL 9608	x	x	x ¹		
QL 9613	x	x	x ¹		
QL 9688	x	x	x ¹		x
QL 9898	x	x	x ¹		x
QL 9926	x	x	x ¹		x
QL 9928	x	x	x ¹		x
QL 9985	x	x			x

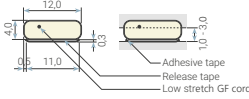
¹Q-LON seal material was SKZ tested on the suitability for plastic windows in the colours white, silver grey and black

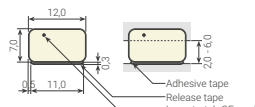


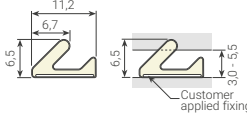
Universal

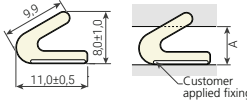
Application on all surfaces

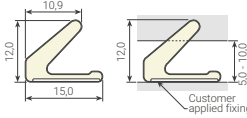
Fixing with pre-applied adhesive tape.
Alternatively it can be fixed with adhesive tape, hot melt glue or staples.

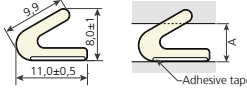
QL 1026	2Q000	
Width: 12.0		
Height: 4.0		
Rebate: 12.0		
Seal gap: 1.0 - 3.0		
Pack size: 250 m x 2 500 m x 2		
Universal with adhesive		
W26276		
Cradle to Cradle Certified® Bronze		

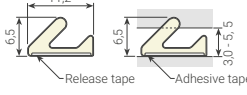
QL 1032	2Q007	
Width: 12.0		
Height: 7.0		
Rebate: 12.0		
Seal gap: 2.0 - 6.0		
Pack size: 250 m x 2 500 m x 2		
Universal with adhesive		
W35276		
Cradle to Cradle Certified® Bronze		

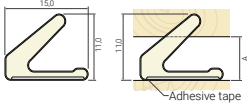
QL 3042	2Q098
Width: 11.2 Height: 6.5 Rebate: 11.0 Seal gap: 3.0 - 5.5 Pack size: 400 m x 2	
	
Universal without adhesive	
W24276	
Cradle to Cradle Certified® Bronze	

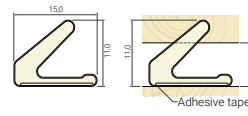
QL 3059	2Q119
Width: 10.8 Height: 8.7 Rebate: 11.0 Seal gap: 3.0 - 5.5 Pack size: 300 m x 2	
	
Universal without adhesive	
W33266	
Cradle to Cradle Certified® Bronze	

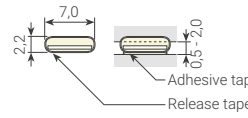
QL 3061	2Q140
Width: 15.0 Height: 12.0 Rebate: 15.0 Seal gap: 5.0 - 10.0 Pack size: 250 m x 2	
	
Universal without adhesive	
W33266	
Cradle to Cradle Certified® Bronze	

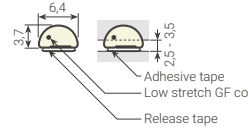
QL 3116	2Q357
Width: 10.8 Height: 8.7 Rebate: 11.0 Seal gap: 3.0 - 5.5 Pack size: 300 m x 2	
	
Universal with adhesive	
W34266	
Cradle to Cradle Certified® Bronze	

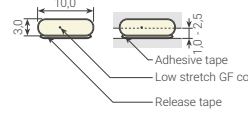
QL 3117	2Q364
Width: 11.2 Height: 6.5 Rebate: 11.0 Seal gap: 3.0 - 5.5	
	
Universal with adhesive	
W23266	
Cradle to Cradle Certified® Bronze	

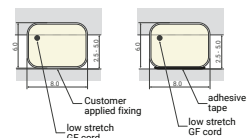
QL 3121	2Q385
Width: 15.0 Height: 11.0 Rebate: 15.0 Seal gap: 5.0 - 10.0	
	
Universal with adhesive	
W32266	
Cradle to Cradle Certified® Bronze	

QL 3121 FR	2Q386
Fire retardant	
Width: 15.0 Height: 11.0 Rebate: 15.0 Seal gap: 5.0 - 10.0 Pack size: 225 m x 2	
	
Universal with adhesive	
W32266	

QL 3122	2Q231
Width: 7.0 Height: 2.2 Rebate: 7.0 Seal gap: 0.5 - 2.0 Pack size: 200 m x 2	
	
Universal with adhesive	
W17276	
Cradle to Cradle Certified® Bronze	

QL 3124	2Q406
Width: 6.4 Height: 3.7 Rebate: 6.0 Seal gap: 2.5 - 3.5 Pack size: 1000 m x 2	
	
Universal with adhesive	
W16276	
Cradle to Cradle Certified® Bronze	

QL 3126	2Q413
Width: 10.0 Height: 3.0 Rebate: 10.0 Seal gap: 1.0 - 2.5 Pack size: 700 m x 2	
	
Universal with adhesive	
W17276	
Cradle to Cradle Certified® Bronze	

QL 9171	2Q840
Width: 8.0 Height: 6.0 Rebate: 8.0 Seal gap: 2.5 - 5.0 Pack size: 500 m x 2	
	
Universal with and without adhesive	
W25266	



Interior design

Applications on timber
doors and windows



QL 45	2Q995
Groove width: 3.0 Min. groove depth: 6.5 Rebate: 9.0 Seal gap: 2.0 Pack size: 250 m x 2	
Doors	

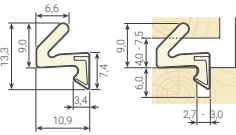
QL 50	2Q581
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Rebate: 10.0 Seal gap: 3.0 - 5.0 Pack size: 250 m x 2	
Doors	
Cradle to Cradle Certified® Bronze	

QL 55	2Q595
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Rebate: 10.0 Seal gap: 3.0 - 4.5 Pack size: 250 m x 2	
Doors	
W16266	
Cradle to Cradle Certified® Bronze	

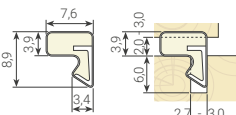
QL 55 FR	2Q597
Fire retardant	
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Rebate: 10.0 Seal gap: 3.0 - 4.5 Pack size: 250 m x 2	
Doors	
W25266	

QL 60	2Q644
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Rebate: 10.0 Seal gap: 3.0 - 4.5 Pack size: 250 m x 2	
Doors	
W33266	
Cradle to Cradle Certified® Bronze	

QL 836	2Q777
Groove width: 3.0 - 3.2 Min. groove depth: 7.5 Seal gap: 5.0 - 7.5 Pack size: 125 m x 2	
Doors	
W15256	
Cradle to Cradle Certified® Bronze	

QL 3009	2Q035
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Rebate: 11.0 Seal gap: 4.0 - 7.5 Pack size: 250 m x 2	
	
Doors	F
W32266	
Cradle to Cradle Certified® Bronze	

QL 3011	2Q042
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Seal gap: 3.5 - 5.5 Pack size: 250 m x 2	
The image shows a technical cross-section of a door profile. On the left is a side view of the profile with dimensions: a total width of 10.9, a top flange width of 6.8, a total height of 10.9, a bottom flange width of 3.4, and a bottom flange height of 6.8. On the right is a front view of the profile showing a T-shaped cross-section. The top flange has a width of 6.9 and a height of 5.5. The main body has a width of 6.0 and a height of 6.0. The bottom flange has a width of 2.7-3.0 and a height of 3.0. The profile is shown in a light yellow color with black outlines and dimension lines.	
Doors	
W35276	
Cradle to Cradle Certified® Bronze	

QL 3013	2Q210
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Seal gap: 2.0 - 3.0 Pack size: 500 m x 2	
	
Doors	
W15276	
Cradle to Cradle Certified® Bronze	

QL 3020	2Q070
Groove width: 2.7 - 3.0 Min. groove depth: 7.0 Rebate: 13.0 Seal gap: 3.5 - 7.5 Pack size: 125 m x 2	
The image contains two technical drawings of the QL 3020 profile. The left drawing is a side view showing a total height of 19.5, a top section height of 14.0, a top width of 9.0, a bottom flange width of 3.6, and a bottom flange height of 4.5. The right drawing is a cross-sectional view showing a total width of 9.0, a central cavity width of 3.5 to 7.5, a total height of 13.0, a bottom flange height of 7.0, and a bottom flange width of 2.7 to 3.0. The profiles are shown in a light tan color with black outlines and dimension lines.	
Doors	
W44266	

C Suitable for Centre Seal

O Suitable for Overlap Seal

S Suitable for Sash Seal

F Suitable for Frame Seal

QL 3034	2Q084
Groove width: 3.0 - 3.2 Min. groove depth: 8.0 Seal gap: 0.0 - 1.5 Pack size: 400 m x 2	
Doors	
W36276	
Cradle to Cradle Certified® Bronze	

QL 3037	2Q091
Groove width: 2.7 - 3.0 Min. groove depth: 2.7 Rebate: 13.0 Seal gap: 3.5 - 7.5 Pack size: 125 m x 2	
Doors	
W44266	
Cradle to Cradle Certified® Bronze	

QL 3056	2Q056
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Rebate: 9.0 Seal gap: 4.0 - 7.5 Pack size: 300 m x 2	
Doors	
W34275	
Cradle to Cradle Certified® Bronze	

QL 3070	2Q175
Groove width: 2.7 - 3.0 Min. groove depth: 8.0 Seal gap: 0.0 - 1.5 Pack size: 400 m x 2	
Doors	
W25266	
Cradle to Cradle Certified® Bronze	

QL 3072	2Q182
Groove width: 2.7 - 3.2 Min. groove depth: 6.5 Rebate: 10.0 Seal gap: 2.7 - 4.3 Pack size: 300 m x 2	
Doors	
W24265	
Cradle to Cradle Certified® Bronze	

QL 3073	2Q189
Groove width: 4.0 - 5.0 Min. groove depth: 7.5 Rebate: 13.0 Seal gap: 5.0 - 8.0 Pack size: 150 m x 2	
Doors	
W344275	
Cradle to Cradle Certified® Bronze	

QL 3091	2Q231
Groove width: 4.0 - 5.0 Min. groove depth: 7.5 Rebate: 15.0 Seal gap: 4.0 - 8.0 Pack size: 150 m x 2 400 m x 1	
Doors	
W44265	
Cradle to Cradle Certified® Bronze	

QL 3091 FR	2Q233
Fire retardant	
Groove width: 4.0 - 5.0 Min. groove depth: 7.5 Rebate: 15.0 Seal gap: 4.0 - 8.0 Pack size: 150 m x 2 400 m x 10 m x 1	
Doors	
W44265	

QL 3093	2Q238
Groove width: 2.7 - 3.0 Min. groove depth: 7.0 Rebate: 13.0 Seal gap: 4.0 - 8.0 Pack size: 150 m x 2 400 m x 1	
Doors	
W44266	
Cradle to Cradle Certified® Bronze	

QL 3094	2Q245
Groove width: 2.7 - 3.2 Min. groove depth: 6.5 Rebate: 10.0 Seal gap: 4.0 - 6.0 Pack size: 250 m x 2	
Doors	
W32265	
Cradle to Cradle Certified® Bronze	

QL 3095	2Q252
Groove width: 3.5 - 4.0 Min. groove depth: 6.5 Rebate: 10.0 Seal gap: 4.0 - 6.0 Pack size: 250 m x 2	
Doors	
W32275	
Cradle to Cradle Certified® Bronze	

QL 3096	2Q259
Groove width: 4.0 - 5.0 Min. groove depth: 7.5 Rebate: 12.0 Seal gap: 3.0 - 6.0 Pack size: 200 m x 2	
Doors	
W35265	
Cradle to Cradle Certified® Bronze	

QL 3097	2Q266
Groove width: 4.0 - 5.0 Min. groove depth: 7.5 Rebate: 18.0 Seal gap: 3.5 - 6.0 Pack size: 150 m x 2	
Doors	
W35266	
Cradle to Cradle Certified® Bronze	

QL 3098	2Q273
Groove width: 3.0 - 4.0 Min. groove depth: 7.5 Rebate: 14.0 Seal gap: 3.0 - 6.0 Pack size: 150 m x 2	
Doors	
W33266	
Cradle to Cradle Certified® Bronze	

QL 3099 (QL 3078 RV)	2Q217
Groove width: 3.0 - 3.3 Min. groove depth: 6.0 Seal gap: 4.0 - 7.5 Pack size: 150 m x 2 300 m x 2	
Doors	
W33266	
Cradle to Cradle Certified® Bronze	

QL 3102	2Q294
Groove width: 3.7 - 4.2 Min. groove depth: 7.0 Rebate: 11.0 Seal gap: 5.0 - 7.5 Pack size: 200 m x 2	
Doors	
W33266	
Cradle to Cradle Certified® Bronze	

QL 3104	2Q308
Groove width: 4.0 - 5.0 Min. groove depth: 7.5 Rebate: 12.0 Seal gap: 5.0 - 9.0 Pack size: 200 m x 2	
Doors	
W44275	
Cradle to Cradle Certified® Bronze	

QL 3106	2Q152
Groove width: 3.5 - 4.0 Min. groove depth: 6.5 Rebate: 12.0 Seal gap: 3.0 - 5.0 Pack size: 250 m x 2	
Doors	
W25276	
Cradle to Cradle Certified® Bronze	

QL 3109	2Q322
Groove width: 4.0 - 5.0 Min. groove depth: 7.0 Rebate: 18.0 Seal gap: 5.0 - 9.0 Pack size: 100 m x 2	
Doors	
W43276	
Cradle to Cradle Certified® Bronze	

QL 3110	2Q329
Groove width: 3.5 - 4.0 Min. groove depth: 6.5 Rebate: 12.0 Seal gap: 3.5 - 4.0 Pack size: 150 m x 2	
Doors	
W25266	
Cradle to Cradle Certified® Bronze	



QL 3095	2Q252
Groove width: 3.5 - 4.0 Min. groove depth: 6.5 Rebate: 10.0 Seal gap: 4.0 - 6.0 Pack size: 250 m x 2	
Doors W32275 Cradle to Cradle Certified® Bronze	

QL 3096	2Q259
Groove width: 4.0 - 5.0 Min. groove depth: 7.5 Rebate: 12.0 Seal gap: 3.0 - 6.0 Pack size: 200 m x 2	
Doors W35265 Cradle to Cradle Certified® Bronze	

QL 3097	2Q266
Groove width: 4.0 - 5.0 Min. groove depth: 7.5 Rebate: 18.0 Seal gap: 3.5 - 6.0 Pack size: 150 m x 2	
Doors	0
W35266	
Cradle to Cradle Certified® Bronze	

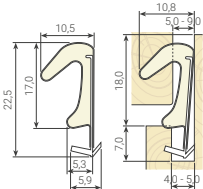
QL 3098	2Q273
Groove width: 3.0 - 4.0 Min. groove depth: 7.5 Rebate: 14.0 Seal gap: 3.0 - 6.0 Pack size: 150 m x 2	
Doors W33266 Cradle to Cradle Certified® Bronze	

QL 3099 (QL 3078 RV)	2Q217	
Groove width: 3.0 - 3.3		
Min. groove depth: 6.0		
Seal gap: 4.0 - 7.5		
Pack size: 150 m x 2 300 m x 2		
Doors		
W33266		
Cradle to Cradle Certified® Bronze		

QL 3102	2Q294
Groove width: 3.7 - 4.2 Min. groove depth: 7.0 Rebate: 11.0 Seal gap: 5.0 - 7.5 Pack size: 200 m x 2	
Doors W33266 Cradle to Cradle Certified® Bronze	

QL 3104	2Q308
Groove width: 4.0 - 5.0 Min. groove depth: 7.5 Rebate: 12.0 Seal gap: 5.0 - 9.0 Pack size: 200 m x 2	
Doors	
W44275	
Cradle to Cradle Certified® Bronze	

QL 3106	2Q152
Groove width: 3.5 - 4.0	
Min. groove depth: 6.5	
Rebate: 12.0	
Seal gap: 3.0 - 5.0	
Pack size: 250 m x 2	
Doors	
W25276	
Cradle to Cradle Certified® Bronze	

QL 3109	2Q322
Groove width: 4.0 - 5.0	
Min. groove depth: 7.0	
Rebate: 18.0	
Seal gap: 5.0 - 9.0	
Pack size: 100 m x 2	
	
Doors	
W43276	
Cradle to Cradle Certified® Bronze	

QL 3110	2Q329
Groove width: 3.5 - 4.0 Min. groove depth: 6.5 Rebate: 12.0 Seal gap: 3.5 - 4.0 Pack size: 150 m x 2	
Doors	
W25266	
Cradle to Cradle Certified® Bronze	

QL 3113	2Q343
Groove width: 3.5 - 4.0 Min. groove depth: 7.0 Rebate: 12.0 Seal gap: 4.0 - 7.5 Pack size: 200 m x 2	
Doors	
W35266	
Cradle to Cradle Certified® Bronze	

QL 3113 FR	2Q345
Fire retardant	
Groove width: 3.5 - 4.0 Min. groove depth: 7.0 Rebate: 12.0 Seal gap: 4.0 - 7.5 Pack size: 200 m x 2	
Doors	
W35266	

QL 3128	2Q420
Groove width: 2.7 - 3.0 Min. groove depth: 7.0 Seal gap: 4.0 - 7.5 Pack size: 300 m x 2	
Doors	
W32265	
Cradle to Cradle Certified® Bronze	

QL 3131 (QL 3070 RV)	2Q427
Groove width: 2.7 - 3.0 Min. groove depth: 8.0 Seal gap: 0.0 - 1.5 Pack size: 400 m x 2	
Doors	
W25266	
Cradle to Cradle Certified® Bronze	

QL 3138	2Q462
Groove width: 2.7 - 3.2 Min. groove depth: 6.0 Rebate: 10.0 Seal gap: 3.0 - 4.5 Pack size: 250 m x 2	
Doors	
W25276	
Cradle to Cradle Certified® Bronze	

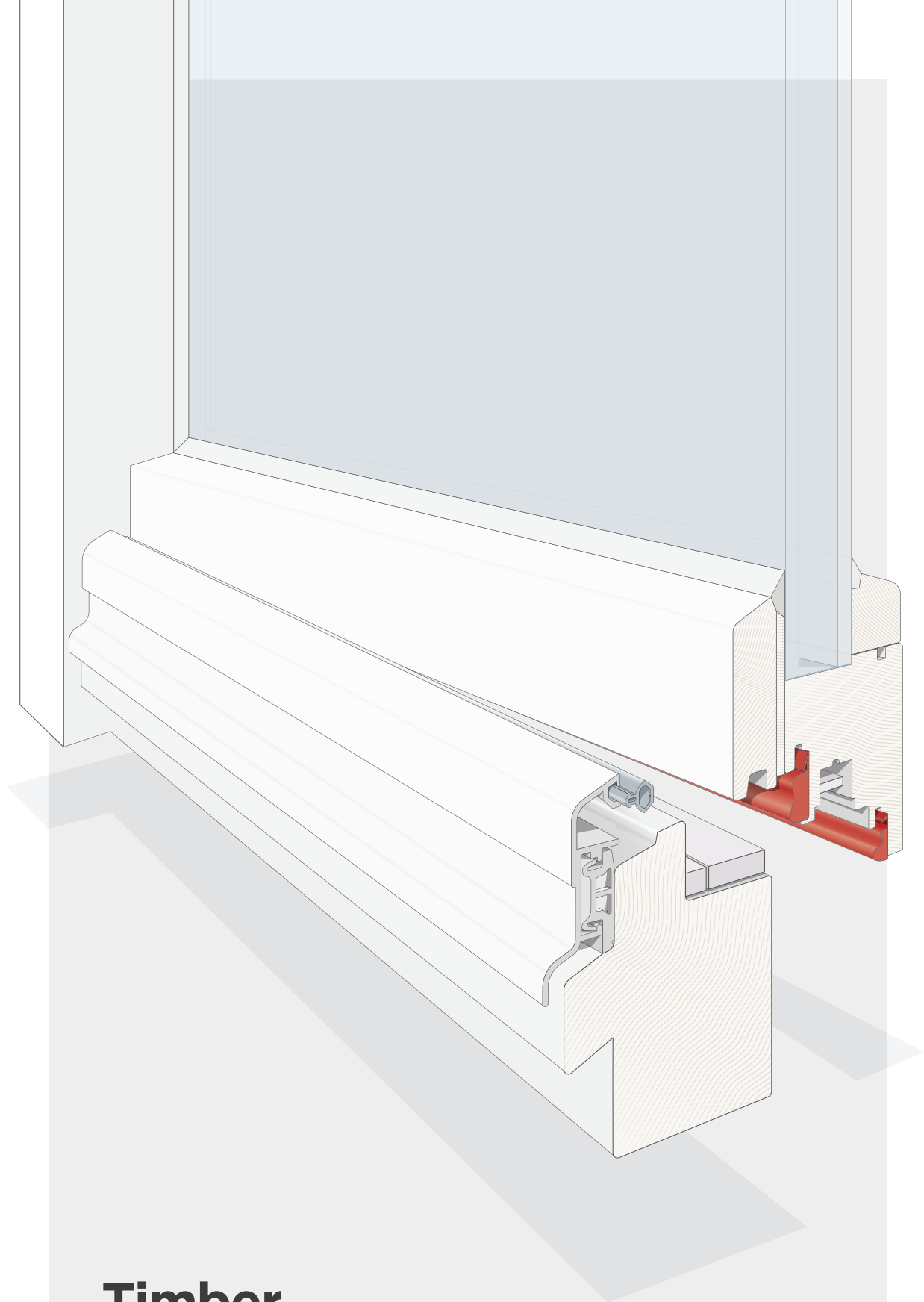
QL 3139 (QL 3118 RV)	2Q469
Groove width: 3.0 - 3.3 Min. groove depth: 7.0 Seal gap: 4.0 - 7.5 Pack size: 700 m x 1	
Doors	
W31276	
Cradle to Cradle Certified® Bronze	

QL 3150	2Q500
Groove width: 3.0 Min. groove depth: 6.5 Rebate: 12.0 Seal gap: 3.5 - 6.0 Pack size: 250 m x 2	
Windows	
W33266	

QL 3152	2Q502
Groove width: 3.0 Min. groove depth: 6.5 Rebate: 14/15 Seal gap: 3.5 - 6.0 Pack size: 150 m x 2	
Doors	
W33266	

QL 5626	2Q609
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Seal gap: 4.7 - 7.5 Pack size: 300 m x 2	
Doors	
W33256	

QL 5694	2Q616
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Seal gap: 6.0 - 11.0 Pack size: 200 m x 2	
Doors	
W43266	
Cradle to Cradle Certified® Bronze	



Timber

Timber window applications

QL 3004	2Q014
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Rebate: 10.5 Seal gap: 3.0 - 5.0 Pack size: 350 m x 2	
Windows	F
W26276	
Cradle to Cradle Certified® Bronze	

QL 3005	2Q021
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Rebate: 8.0 Seal gap: 3.4 - 5.4 Pack size: 300 m x 2	
Windows	F
W35266	
Cradle to Cradle Certified® Bronze	

QL 3006	2Q028
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Rebate: 13.0 Seal gap: 5.0 - 13.0 Pack size: 2.1 m x 150	
Windows	F
W62276	
Cradle to Cradle Certified® Bronze	

QL 3011	2Q042
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Rebate: 10.0 Seal gap: 3.5 - 5.5 Pack size: 250 m x 2	
Windows	F
W35276	
Cradle to Cradle Certified® Bronze	

QL 3012	2Q049
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Rebate: 11.0 Seal gap: 4.0 - 6.5 Pack size: 200 m x 2	
Windows	F
W45276	
Cradle to Cradle Certified® Bronze	

QL 3013	2Q210
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Rebate: 8.0 Seal gap: 2.0 - 3.0 Pack size: 500 m x 2	
Windows	F S
W15276	
Cradle to Cradle Certified® Bronze	

QL 3025 (QL 3004 RV)	2Q014
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Rebate: 10.5 Seal gap: 3.0 - 5.0 Pack size: 350 m x 2	
Windows	F
W25266	
Cradle to Cradle Certified® Bronze	

QL 3034	2Q084
Groove width: 2.7 - 3.0 Min. groove depth: 8.0 Rebate: 8.5 Seal gap: 0.0 - 1.5 Pack size: 400 m x 2	
Windows	O S
W36276	
Cradle to Cradle Certified® Bronze	

QL 3037	2Q091
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Rebate: 10.0 Seal gap: 3.5 - 5.6 Pack size: 200 m x 2	
Windows	F
W35266	
Cradle to Cradle Certified® Bronze	

QL 3053	2Q105
Groove width: 4.0 - 5.0 Min. groove depth: 7.5 Rebate: 12.0 Seal gap: 4.5 - 6.0 Pack size: 200 m x 2	
Windows	C S
W35266	
Cradle to Cradle Certified® Bronze	

C Suitable for Centre Seal

O Suitable for Overlap Seal

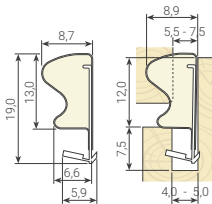
S Suitable for Sash Seal

F Suitable for Frame Seal



QL 3054	2Q112	
Groove width: 2.8 - 3.2		
Min. groove depth: 5.5		
Rebate: 10.0		
Seal gap: 4.0 - 6.0		
Pack size: 250 m x 2		
Windows	O	
W35276		
Cradle to Cradle Certified® Bronze		

QL 3063	2Q147	
Groove width: 4.0 - 5.0		
Min. groove depth: 7.5		
Rebate: 12.0		
Seal gap: 5.5 - 7.5		
Pack size: 200 m x 2		
Windows	C	S
W36266		
Cradle to Cradle Certified® Bronze		

QL 3063 FR	2Q149
Fire retardant	
Groove width: 4.0 - 5.0	
Min. groove depth: 7.5	
Rebate: 12.0	
Seal gap: 5.5 - 7.5	
Pack size: 200 m x 2	
	
Windows	C S
W36266	

QL 3067	2Q161	
Groove width: 4.0 - 5.0		
Min. groove depth: 7.5		
Rebate: 12.0		
Seal gap: 4.0 - 6.0		
Pack size: 200 m x 2		
Windows	C	S
W25266		
Cradle to Cradle Certified® Bronze		

QL 3068	2Q168
Groove width: 3.4 - 4.2 Min. groove depth: 6.5 Rebate: 11.0 Seal gap: 4.5 - 6.5 Pack size: 200 m x 2	
Windows	C S
W35275	
Cradle to Cradle Certified® Bronze	

QL 3072	2Q182	
Groove width: 2.7 - 3.2		
Min. groove depth: 6.5		
Rebate: 10.0		
Seal gap: 2.7 - 4.3		
Pack size: 300 m x 2		
Windows	C	S
W24265		
Cradle to Cradle Certified® Bronze		

Technical cross-section diagram of the QL 3072 window profile. The diagram shows the profile's dimensions in millimeters. Key dimensions include: total height of 14.5 mm, height of the main cavity (10.1 mm), height of the rebate (10.0 mm), width of the main cavity (5.3 mm), width of the seal gap (2.7 mm to 4.3 mm), width of the bottom flange (3.7 mm), and height of the bottom flange (4.5 mm). The diagram also shows the profile's fit into a window frame with a sealant.

QL 3074	2Q196
Groove width: 2.7 - 3.2 Min. groove depth: 6.5 Rebate: 8.5 Seal gap: 3.5 - 5.5 Pack size: 300 m x 2	
Windows	F
W22276	
Cradle to Cradle Certified® Bronze	

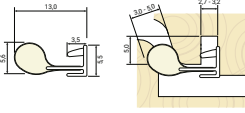
QL 3076	2Q203
Groove width: 3.0 - 3.5 Min. groove depth: 6.0 Rebate: 10.0 Seal gap: 3.0 - 6.0 Pack size: 250 m x 2	
Windows	F
W34266	
Cradle to Cradle Certified® Bronze	

QL 3077 (QL 3013 RV)	2Q210	
Groove width: 2.7 - 3.0		
Min. groove depth: 6.0		
Rebate: 8.0		
Seal gap: 2.0 - 3.0		
Pack size: 500 m x 2		
Windows	F	S
W36266		
Cradle to Cradle Certified® Bronze		

QL 3078	2Q217
Groove width: 3.0 - 3.3	
Min. groove depth: 6.0	
Rebate: 10.5	
Seal gap: 4.0 - 7.5	
Pack size: 250 m x 2 300 m x 2	
Windows	F
W34266	
Cradle to Cradle Certified® Bronze	

The technical drawing illustrates the QL 3078 profile in two cross-sectional views. The left view shows the profile's dimensions: a total height of 13.7, a top flange width of 10.5, a top flange height of 9.0, a bottom flange height of 7.2, and a base width of 3.8. The right view shows the profile's dimensions: a total height of 9.0, a top flange width of 10.5, a top flange height of 7.5, a bottom flange height of 6.0, and a base width of 3.0. The profile is shown in a light yellow color, and the dimensions are indicated by dashed lines and arrows.

QL 3079	2Q224	
Groove width: 3.2 - 4.0 Min. groove depth: 6.5 Rebate: 10.0 Seal gap: 2.7 - 4.3 Pack size: 300 m x 2		
Windows	F	S
W24266		
Cradle to Cradle Certified® Bronze		

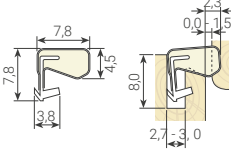
QL 3082	2Q308	
Groove width: 2.7 - 3.2 Min. groove depth: 5.0 Rebate: 8.0 Seal gap: 3.0 - 5.0 Pack size: 250 m x 2		
Windows	F	
W35275		
Cradle to Cradle Certified® Bronze		

QL 3101	2Q021
Groove width: 2.7 - 3.2 Min. groove depth: 7.0 Rebate: 13.0 Seal gap: 3.5 - 6.0 Pack size: 200 m x 2	
Windows	C
W35276	
Cradle to Cradle Certified® Bronze	

QL 3111	2Q336
Groove width: 3.5 - 4.0 Min. groove depth: 7.0 Rebate: 12.0 Seal gap: 3.5 - 4.0 Pack size: 200 m x 2	
Windows	C S
W35256	
Cradle to Cradle Certified® Bronze	

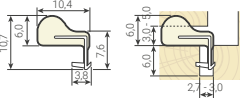
QL 3118	2Q371
Groove width: 3.0 - 3.3 Min. groove depth: 7.0 Rebate: 9.0 Seal gap: 4.0 - 7.5 Pack size: 300 m x 2	
Windows	F
W31276	
Cradle to Cradle Certified® Bronze	

QL 3128	2Q420	
Groove width: 2.7 - 3.0 Min. groove depth: 7.0 Rebate: 9.0 Seal gap: 4.0 - 7.5 Pack size: 300 m x 2		
Windows	F	
W32265		
Cradle to Cradle Certified® Bronze		

QL 3131 (QL 3070 RV)	2Q427	
Groove width: 2.7 - 3.0 Min. groove depth: 8.0 Rebate: 8.0 Seal gap: 0.0 - 1.5 Pack size: 400 m x 2		
Windows	O	
W25266		
Cradle to Cradle Certified® Bronze		

QL 3140	2Q476	
Groove width: 4.0 - 5.0 Min. groove depth: 7.5 Rebate: 15.0 Seal gap: 4.0 - 6.5 Pack size: 200 m x 2		
Windows	C	
W35266		
Cradle to Cradle Certified® Bronze		

QL 3141	2Q483	
Groove width: 2.7 - 3.2 Min. groove depth: 5.5 Rebate: 12.0 Seal gap: 4.0 - 6.5 Pack size: 300 m x 2		
Windows	C O	
W35255		
Cradle to Cradle Certified® Bronze		

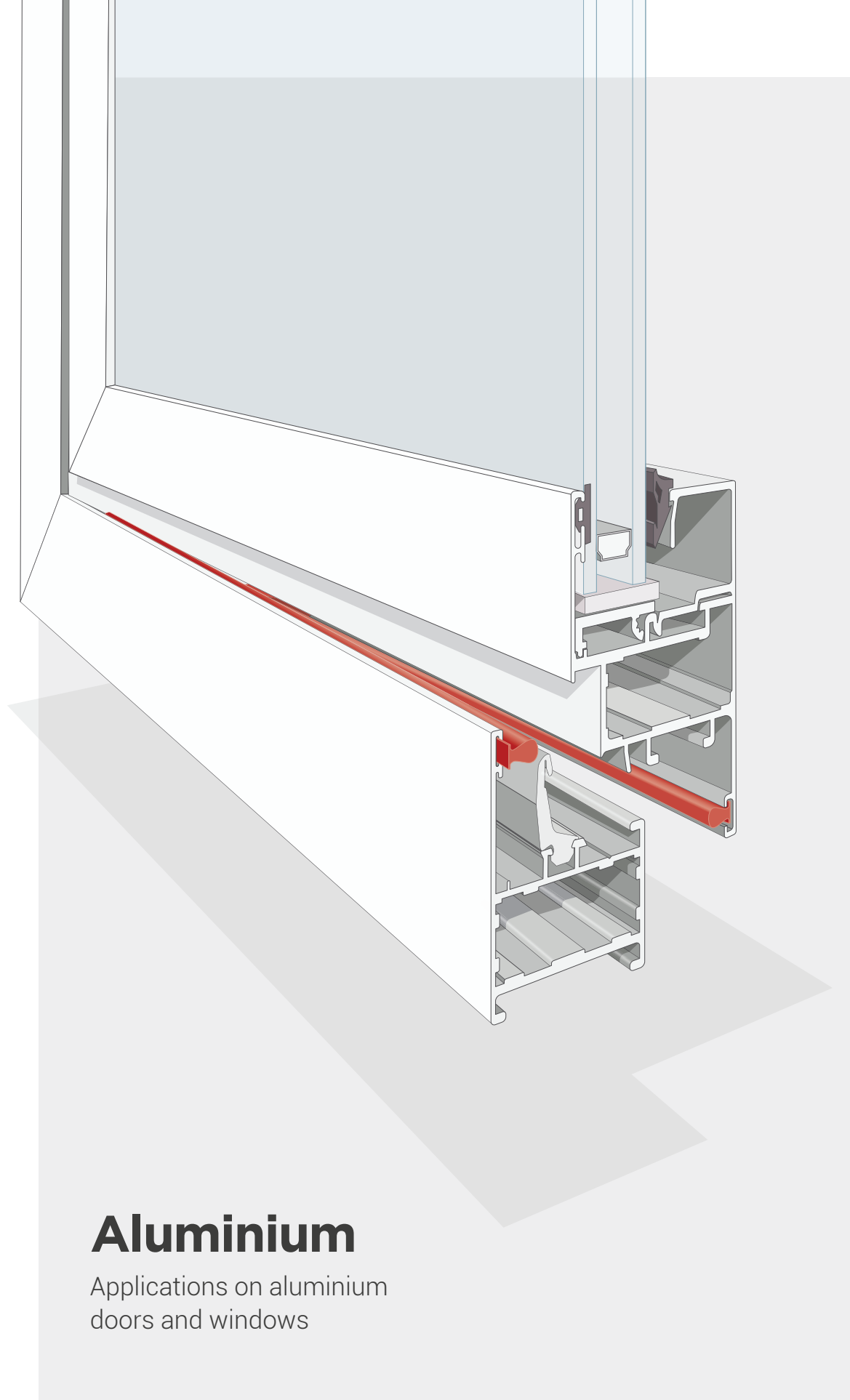
QL 3143	2Q490	
Groove width: 2.7 - 3.0 Min. groove depth: 6.0 Rebate: 10.5 Seal gap: 3.0 - 5.0 Pack size: 350 m x 2		
Windows		
W26275		
Cradle to Cradle Certified® Bronze		

C Suitable for Centre Seal

O Suitable for Overlap Seal

S Suitable for Sash Seal

F Suitable for Frame Seal



Aluminium

Applications on aluminium
doors and windows

QL 4636	2Q512
Throat width: 3.2 Min. groove depth: 2.3 Seal gap: 1.0 - 2.5 Pack size: 300 m x 2	
Windows / other T-slot type A (5.3)	
Cradle to Cradle Certified® Bronze	

QL 4870	2Q517
Throat width: 3.2 Min. groove depth: 2.3 Seal gap: 2.5 - 4.0 Pack size: 250 m x 2	
Windows / doors / other T-slot type A (5.3)	
W23266	
Cradle to Cradle Certified® Bronze	

QL 6970	2Q693
Throat width: 4.6 Min. groove depth: 2.3 Seal gap: 2.5 - 4.0 Pack size: 250 m x 2	
Windows / doors / other T-slot type C (7.5)	
Cradle to Cradle Certified® Bronze	

QL 46105	2Q529
Throat width: 3 - 3.2 Groove width: 5 - 5.6 Seal gap: 5 - 5.6 Pack size: 250 m x 2	
Overlap seal	
W36276	
Cradle to Cradle Certified® Bronze	

QL 46800	2Q577
Throat width: 2.6 - 3.2 Groove width: 5 - 5.6 Seal gap: 3 - 3.5 Pack size: 250 m x 2	
Overlap seal	
W25266	
Cradle to Cradle Certified® Bronze	

QL 48100	2Q516
Throat width: 3.2 Min. groove depth: 2.3 Seal gap: 5.5 - 7.0 Pack size: 250 m x 2	
Windows / doors / other T-slot type A (5.3)	
Cradle to Cradle Certified® Bronze	

QL 48400	2Q518
Throat width: 3.2 Groove depth: 2.3 Seal gap: 1.1 - 2.4 Pack size: 200 m x 2 700 m x 2 900 m x 2	
Windows / other T-slot type A (5.3)	
W16266	
Cradle to Cradle Certified® Bronze	

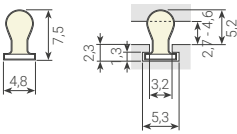
QL 48510	2Q532
Throat width: 3.2 Groove depth: 2.3 Seal gap: 1.1 - 2.4 Pack size: 200 m x 2 500 m x 2 900 m x 2	
Windows / other T-slot type A (5.3)	
W15256	
Cradle to Cradle Certified® Bronze	

QL 48650	2Q539
Throat width: 3.2 Groove depth: 2.3 Seal gap: 1.8 - 3.4 Pack size: 200 m x 2 500 m x 2 800 m x 2	
Windows / other T-slot type A (5.3)	
W25256	
Cradle to Cradle Certified® Bronze	

QL 48650 FR	2Q536
Fire retardant	
Throat width: 3.2 Groove depth: 2.3 Seal gap: 1.8 - 3.4 Pack size: 500 m x 2	
Windows / other T-slot type A (5.3)	
W25256	

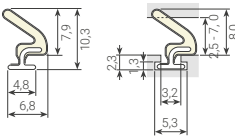
QL 48700	2Q546
Throat width: 3.2 Groove depth: 2.3 Seal gap: 2.5 - 6.0 Pack size: 250 m x 2	
Windows / doors / other T-slot type A (5.3) W15256 Cradle to Cradle Certified® Bronze	

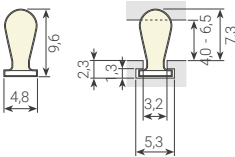
Technical drawing of the QL 48700 profile showing dimensions: 1.8, 8.4, 6.8, 9.0, 1.6, 4.8, 2.5-6.0, 3.2, 5.3, 10, 4.3.

QL 48750	2Q553	
Throat width: 3.2		
Groove depth: 2.3		
Seal gap: 2.7 - 4.6		
Pack size: 200 m x 2 600 m x 2		
Windows / other		
T-slot type A (5.3)		
W25266		
Cradle to Cradle Certified® Bronze		

QL 48750 FR	2Q554
Fire retardant	
Throat width: 3.2 Groove depth: 2.3 Seal gap: 2.7 - 4.6 Pack size: 600 m x 2	
Windows / other T-slot type A (5.3) W25266	

Technical drawing of a brush pile cross-section. The drawing shows a brush pile with a throat width of 3.2, a groove depth of 2.3, and a seal gap of 2.7 - 4.6. The pack size is 600 m x 2. The drawing also shows the dimensions of the brush pile: 7.5 (height), 4.8 (width), 2.3 (throat width), 3 (groove depth), 4.6 (seal gap), 5.2 (total height), 2.1 (base height), 3.2 (throat width), and 5.3 (total width).

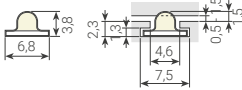
QL 48800	2Q560	
Throat width: 3.2		
Groove depth: 2.3		
Seal gap: 2.5 - 7.0		
Pack size: 250 m x 2		
Windows / doors / other		
T-slot type A (5.3)		
W34276		
Cradle to Cradle Certified® Bronze		

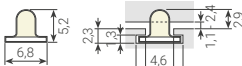
QL 48950	2Q567	
Throat width: 3.2		
Groove depth: 2.3		
Seal gap: 4.0 - 6.5		
Pack size: 200 m x 2 500 m x 2		
Windows / doors / other		
T-slot type A (5.3)		
W34266		
Cradle to Cradle Certified® Bronze		

QL 57700	2Q623	
Throat width: 3.8		
Groove depth: 2.3		
Seal gap: 2.3 - 4.0		
Pack size: 200 m x 2		
Windows / other		
T-slot type B (6.3)		
W25266		
Cradle to Cradle Certified® Bronze		

QL 69100	2Q694
Throat width: 4.6 Min. groove depth: 2.3 Seal gap: 5.5 - 7.0 Pack size: 250 m x 2	
Windows / doors / other T-slot type C (7.5) W33276 Cradle to Cradle Certified® Bronze	

Technical drawing of a brush pile cross-section. The drawing shows a yellow brush pile with a black base. Dimensions are indicated in millimeters: throat width 4.6, min. groove depth 2.3, seal gap 5.5 - 7.0, pack size 250 m x 2. The drawing also shows a side view with dimensions 10.0, 6.9, 7.7, 5, 7.0, 4.6, 7.5, 1.3, and 2.3.

QL 69400	2Q697	
Throat width: 4.6		
Groove depth: 2.3		
Seal gap: 0.5 - 1.5		
Pack size: 700 m x 2 900 m x 2		
Windows / other		
T-slot type C (7.5)		
W15256		
Cradle to Cradle Certified® Bronze		

QL 69510	2Q707	
Throat width: 4.6		
Groove depth: 2.3		
Seal gap: 1.1 - 2.4		
Pack size: 700 m x 2		
Windows / other		
T-slot type C (7.5)		
W15246		
Cradle to Cradle Certified® Bronze		

QL 69650	2Q714	
Throat width: 4.6		
Groove depth: 2.3		
Seal gap: 1.8 - 3.4		
Pack size: 200 m x 2 400 m x 2 600 m x 2		
Windows / other		
T-slot type C (7.5)		
W15266		
Cradle to Cradle Certified® Bronze		

QL 69700	2Q990
Throat width: 4.6 Min. groove depth: 2.3 Seal gap: 2.5 - 6.0 Pack size: 250 m x 2	
Windows / doors / other T-slot type C (7.5)	
W33266	
Cradle to Cradle Certified® Bronze	

QL 69750	2Q721
Throat width: 4.6 Groove depth: 2.3 Seal gap: 2.7 - 4.6 Pack size: 200 m x 2 500 m x 2	
Windows / other T-slot type C (7.5)	
W24266	
Cradle to Cradle Certified® Bronze	

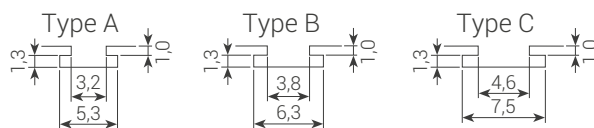
QL 69800	2Q728
Throat width: 4.6 Groove depth: 2.3 Seal gap: 2.5 - 7.0 Pack size: 250 m x 2	
Windows / doors / other T-slot type C (7.5)	
W34266	
Cradle to Cradle Certified® Bronze	

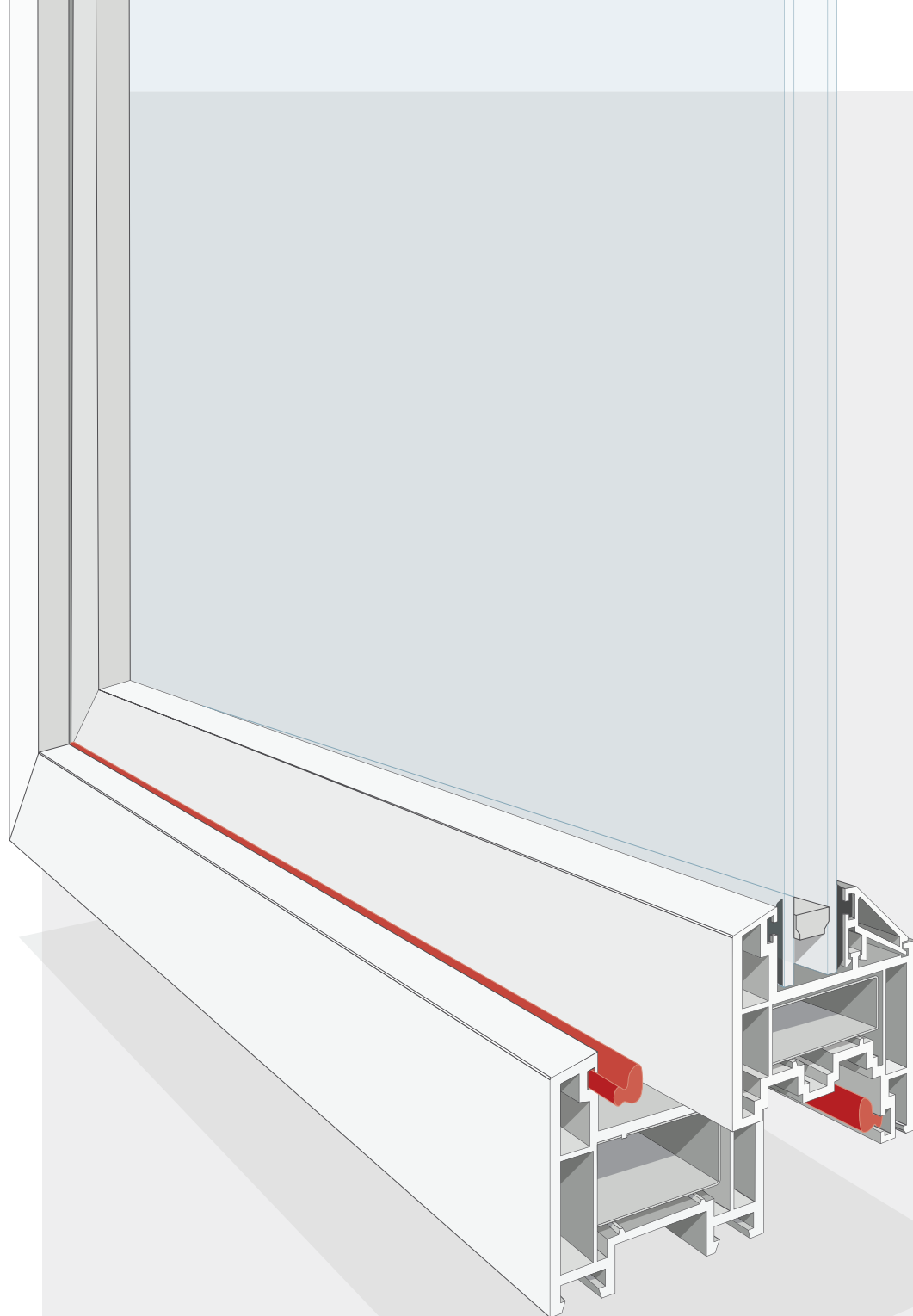
QL 69950	2Q742
Throat width: 4.6 Groove depth: 2.3 Seal gap: 4.0 - 6.5 Pack size: 200 m x 2 350 m x 2	
Windows / doors / other T-slot type C (7.5)	
W34266	
Cradle to Cradle Certified® Bronze	

QL 70012	2Q943
Throat width: 4.6 Groove depth: 7.5 Seal gap: 4.5 - 8.5 Pack size: 250 m x 2	
Windows / doors / other T-slot type C (7.5)	
W32266	

QL 70013	2Q936
Throat width: 3.2 Groove depth: 5.3 Seal gap: 4.5 - 8.5 Pack size: 250 m x 2	
Windows / doors / other T-slot type C (7.5)	
W32266	

T-Slot dimensions





PVC-U

PVC-U doors and window applications

QL 4465	2Q505
Throat width: 4.2 Min. groove depth: 5.7 Seal gap: 3.0 - 4.8 Pack size: 250 m x 2	
Doors / windows	
W25266	
Cradle to Cradle Certified® Bronze	

QL 4636	2Q512
Throat width: 3.2 Min. groove depth: 2.3 Seal gap: 1.0 - 2.5 Pack size: 300 m x 2	
Windows	
T-slot type A (5.3 mm)	
Cradle to Cradle Certified® Bronze	

QL 5570	2Q602
Throat width: 3.3 Min. groove depth: 5.5 Seal gap: 3.0 - 4.8 Pack size: 250 m x 2	
Windows	
W24266	
Cradle to Cradle Certified® Bronze	

QL 6571	2Q680
Throat width: 3.0 Min. groove depth: 4.9 Seal gap: 3.0 - 5.0 Pack size: 250 m x 2	
Windows	
W35266	
Cradle to Cradle Certified® Bronze	

QL 6991	2Q735
Throat width: 3.9 Min. groove depth: 5.3 Seal gap: 2.0 - 3.2 Pack size: 300 m x 2	
Windows	
W25266	
Cradle to Cradle Certified® Bronze	

QL 7307	2Q770
Throat width: 3.2 Min. groove depth: 4.8 Seal gap: 2.8 - 4.4 Pack size: 250 m x 2	
Windows	
W35276	
Cradle to Cradle Certified® Bronze	

QL 9005	2Q785
Throat width: 2.4 Min. groove depth: 5.2 Seal gap: 2.5 - 4.1 Pack size: 300 m x 2	
Windows	
W24266	
Cradle to Cradle Certified® Bronze	

QL 9100	2Q791
Throat width: 2.4 Min. groove depth: 5.3 Seal gap: 2.7 - 4.4 Pack size: 250 m x 2	
Windows	
W35276	
Cradle to Cradle Certified® Bronze	

QL 9112	2Q819
Throat width: 3.2 Min. groove depth: 4.8 Seal gap: 3.0 - 4.9 Pack size: 300 m x 2	
Windows	
W35276	
Cradle to Cradle Certified® Bronze	

QL 9154	2Q834
Throat width: 3.2 Min. groove depth: 4.7 Seal gap: 2.8 - 4.5 Pack size: 300 m x 2	
Windows	
W35266	
Cradle to Cradle Certified® Bronze	

QL 9257	2Q842
Throat width: 3.2 Min. groove depth: 4.4 Seal gap: 4.5 - 7.1 Pack size: 300 m x 2	
Doors / windows	
W33276	
Cradle to Cradle Certified® Bronze	

QL 9489	2Q855
Throat width: 3.4 Min. groove depth: 4.0 Seal gap: 2.5 - 4.0 Pack size: 250 m x 2	
Doors / windows	
W26276	
Cradle to Cradle Certified® Bronze	

QL 9536	2Q861
Throat width: 3.9 Min. groove depth: 6.3 Seal gap: 4.0 - 8.0 Pack size: 250 m x 2	
Doors	
W43276	

QL 9596	2Q873
Throat width: 3.4 Min. groove depth: 5.2 Seal gap: 2.5 - 4.0 Pack size: 300 m x 2	
Windows	
W26276	

QL 9646	2Q878
Throat width: 3.6 Min. groove depth: 5.1 Seal gap: 3.5 - 5.5 Pack size: 250 m x 2	
Windows	
W35276	
Cradle to Cradle Certified® Bronze	

QL 9688	2Q882
Throat width: 2.8 Min. groove depth: 3.9 Seal gap: 3.0 - 7.0 Pack size: 400 m x 2	
Doors / windows	
W33276	
Cradle to Cradle Certified® Bronze	

QL 9898	2Q911
Throat width: 3.2 Min. groove depth: 4.9 Seal gap: 3.0 - 5.5 Pack size: 300 m x 2	
Windows	
W35276	
Cradle to Cradle Certified® Bronze	

QL 9926	2Q931
Throat width: 3.2 - 3.4 Min. groove depth: 5.0 Seal gap: 3.0 - 7.5 Pack size: 300 m x 2	
Doors / windows	
W33276	
Cradle to Cradle Certified® Bronze	

QL 9928	2Q940
Throat width: 3.2 - 3.4 Min. groove depth: 3.9 Seal gap: 3.0 - 7.5 Pack size: 300 m x 2	
Doors / windows	
W34276	
Cradle to Cradle Certified® Bronze	

Brush pile seals

and sealing profiles

For timber, aluminium
and PVC-U applications



WHY CHOOSE BRUSH PILE SEALS FROM SCHLEGEL?

Like our gaskets, Schlegel brush piles are known for their quality and engineered solutions. Products can be tailored to individual needs, offering customers greater flexibility and bespoke order capability

Key benefits are:

LONGER LASTING

Trilobal yarn designs deliver class-leading durability

HIGHER PERFORMANCE

Silicone-treated yarns as standard

BETTER COMPRESSION RECOVERY

Because of unique manufacturing processes

ENDURANCE

Superior UV resistance performance

EFFORTLESS GLIDE

Low friction liners suitable for sliding applications

VERSATILE

Seal against uneven surfaces

BESPOKE SERVICE

Product customisation available

SUSTAINABLE

Fully recyclable

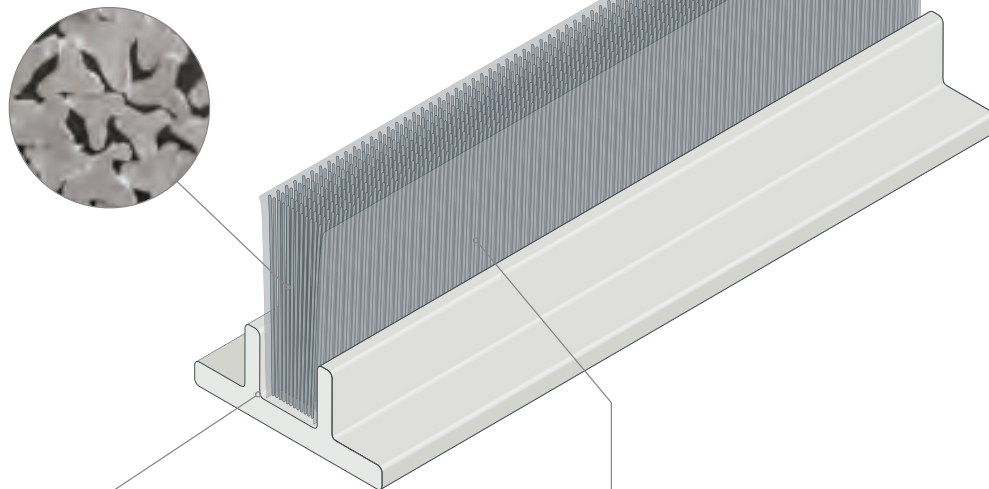
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MATERIALS AND COLOURS

SEALS MADE FROM VIRGIN POLYPROPYLENE (PP) YARN.

- Available in many different widths and heights
- Different densities depending on seal type, width and mounting distance
- Heat setting for recovery after compression
- With optional adhesive backing based on hot-melt (HM) glue technology

TRILOBAL PP-YARN



MONOFILAMENT

Untreated for increased stiffness
Available in the following colours:

Standard Colours

- GREY / RAL 7045 / Code 277
- BLACK / RAL 9005 / Code 288

MULTIFILAMENT

Standard soft multifilament yarn
Available in the following colours:

Standard Colours

- GREY / RAL 7045 / Code 277
- BLACK / RAL 9005 / Code 288

Extra Colours

- WHITE / RAL 9003 / Code 287
- BROWN / RAL 8028 / Code 264
- BEIGE / RAL 1011 / Code 241

EASY SLIDING

Excellent resistance to abrasion and static build-up and low friction for improved sliding performance.

DURABLE

UV stable and chemically inert for prolonged life.

VERY LOW AIR PERMEABILITY

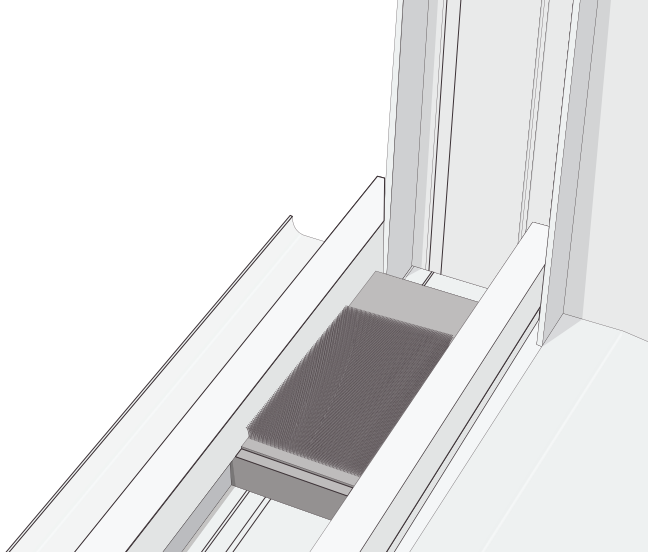
The central and lateral fins offer better air tightness.

RESISTANCE

PP yarn treated with silicone to resist water, mould and mildew.

SELECTOR

Brush pile seals

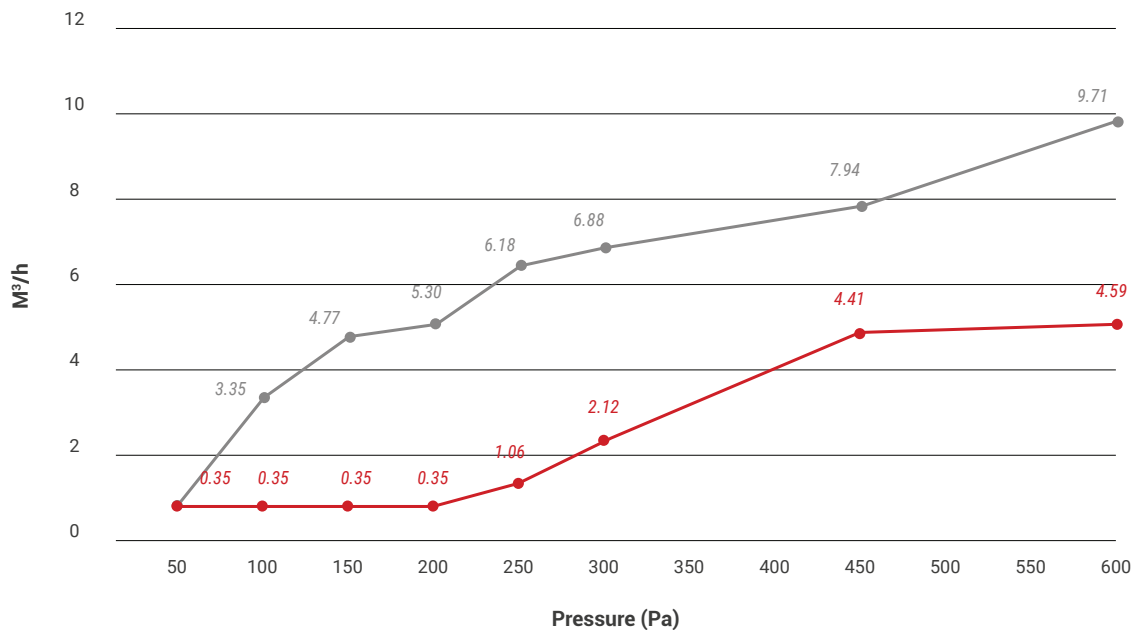


	Product application area				Product dimensions				Brush pile and backing characteristics and options							
	Sliding window	Sliding door	Window covering	Furniture	Carrier width		Brush height		Angle	Filament type	Density	Adhesive (Hot Melt)	Fin position	Fin height	Optimised for auto insertion	Page
					Min	Max	Min	Max								
WOVEN CARRIER																
POLY-BOND	x	x	x	x	4.8 / 6.7 / 6.9		3.5	15.0	90°	Multi	4P	Optional	–	–	–	20
FIN-SEAL	x	x	x	–	4.8 / 6.7 / 6.9		3.5	15.0	90°	Multi	4P	Optional	Centre	0 / 1	–	21
EXTRUDED CARRIER																
POWER-PILE	x	x	x	x	4.8 / 6.7 / 6.9		5.0	20.0	90°	Multi	4P	–	–	–	x	22
FIN-PILE	x	x	x	–	4.8 / 6.7 / 6.9		5.0	20.0	90°	Multi	4P	–	Centre	0	x	23
G3	x	x	x	–	4.8 / 6.7 / 6.9		4.0	20.0	90°	Multi	4P	–	Centre	0 / 1	x	24
G3-QF QUADRAFIN	x	x	x	–	4.8 / 6.7 / 6.9		6.0	12.0	90°	Multi	4P	–	Centr./ Later.		x	25
BI-FIN	x	x	x	–	4.8 / 6.7 / 6.9		6.0	20.0	90°	Multi	4P	–	Lateral	0	x	26
SPECIAL PRODUCTS																
ANGLE-PILE	–	–	x	–	4.8 / 6.9		9.0	22.0	45° 60°	Mono	24	–	–	–	x	27
DUST-PLUG	x	x	–	x	10.0	60.0	3.0	22.0	90°	Mono Multi	–	Optional	Optional	Optional	–	28
SHUTTER-PILE	–	–	x	–	4.8 / 6.7 / 6.9		3.0	15.0	90°	Mono Multi	2P / 3P	Optional	–	–	–	29
SKIRTING FRINGE	x	x	x	–	2.7 / 2.9 / 3.1 / 3.3		5.0	30.0	90°	Mono	24	–	–	–	x	30
	x	x	x	–	2.7 / 2.9 / 3.1 / 3.3		5.0	30.0	90°	Multi	4P	–	–	–	x	30
FLEX-BRUSH	x	x	–	–	3.5	5	10.0	50.0	90°	Mono	HD15 SD15	–	–	–	–	31
KERF-PILE	x	x	–	–	Groove width: 3		5.0	25.0	90°	Multi	5P	–	–	–	x	32

For more details and options see the rest of this catalogue, or consult www.quanex-international.com.



COMPARATIVE AIR PERMEABILITY TEST



COMPETITOR

Brush Pile with central fin +0.5 mm
with 20% compression.

SCHLEGEL G3-QF (QUADRAFIN)

Brush Pile with central fin +1 mm
with 20% compression

Comparative test carried out on one linear meter brushpile weatherstripping following the pressure increments according to EN 12207

QUALITY CONTROL

The standard tests conducted by Schlegel in its Aycliffe laboratories are:

- QUV - accelerated weathering test
- Air permeability - the amount of air entering through the seal at various pressures (in accordance with EN 1026)
- Recovery after long-term compression - to analyse permanent deflection after long-term compression (according to EN 12365:2003 IFT Laboratory certificate)
- Wear resistance - simulation of sliding/scrubbing for 100,000 cycles

Our 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 the ISO 9001:2015 standard and an Environmental Management System to ISO 14001:2015.

We invite you to browse through our range in this brochure or on our website, where you can use our product filter to find the right brush pile seal for you. Please contact us for any further information or specific requirements.

MANUFACTURED TO ISO 45001:2018

Health & Safety Standard

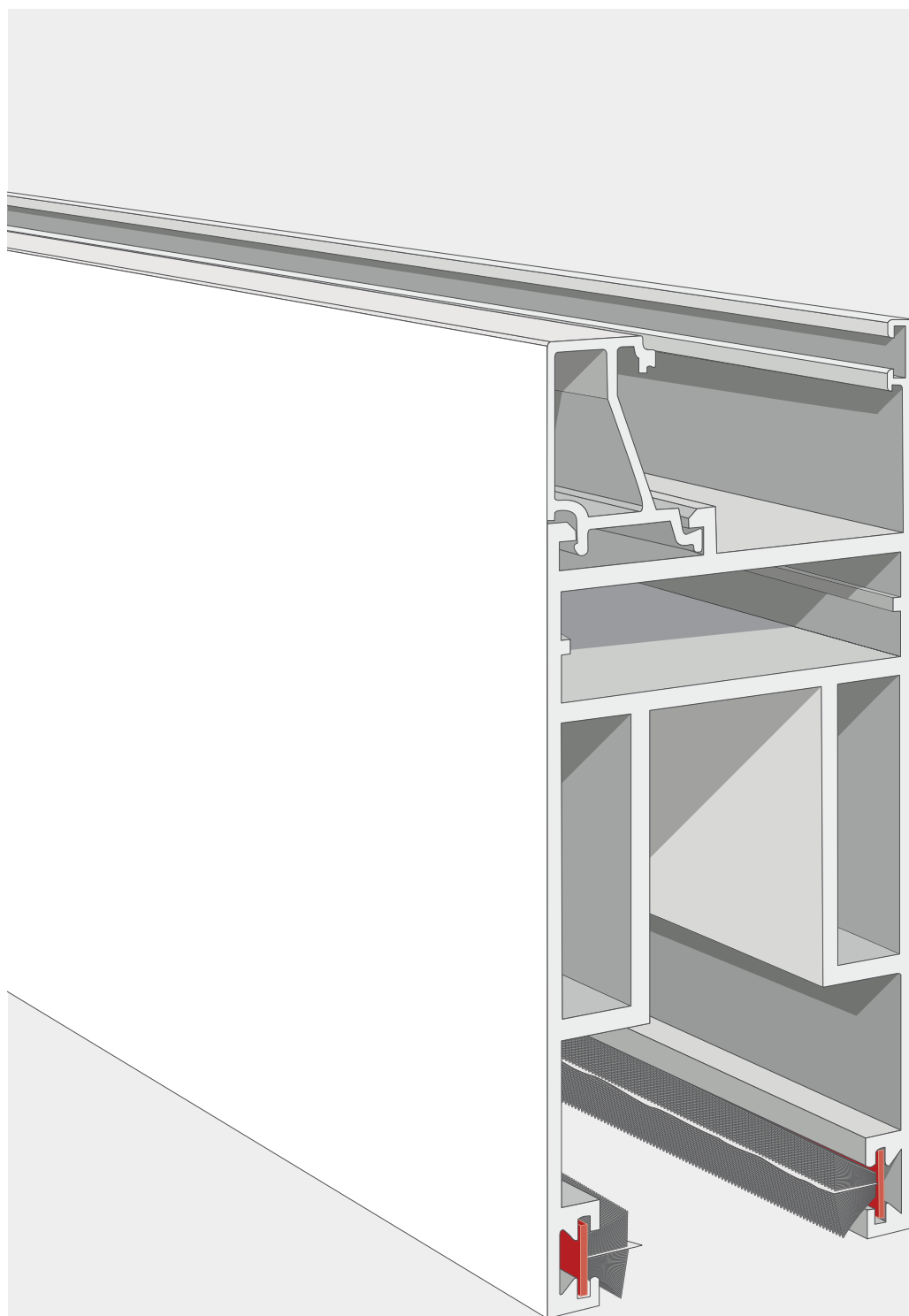
MANUFACTURED TO ISO 9001:2015

Quality Control System

MANUFACTURED TO ISO 14001:2015

Environmental Control System



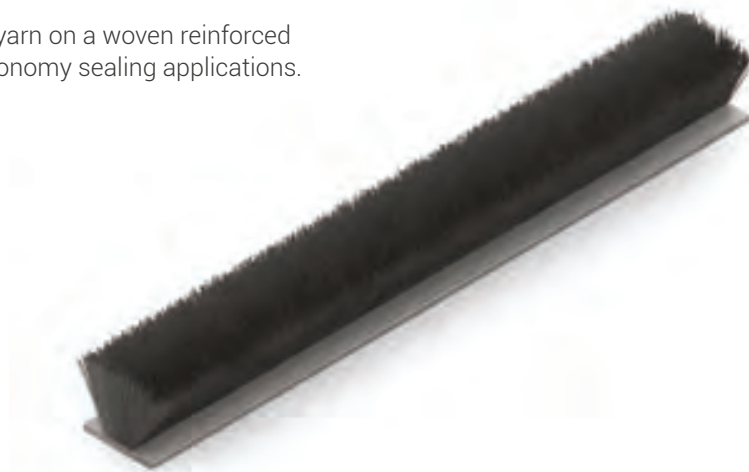


Brush pile seals

Poly-Bond (PB)

Woven brush pile seals

Soft silicone treated multifilament pile yarn on a woven reinforced translucent backing for all common economy sealing applications.
Optional adhesive backing.



Dimensions				
	4.8	6.7	6.9	
H	5.3	7.5	7.7	
I	3.2	3.2	3.2	
J	1.3	1.3	1.3	
Minimum clearance recommended: +0.5 mm of backing width chosen				
Other dimension available with special conditions for minimum order quantities, lead time, packaging and price may apply				

Standard solutions			
A Backing width*	B Backing thickness	D Brush height	E Brush density (P)
4.8 +0.1/-0.2mm 6.7 +0.1/-0.25mm 6.9 +0.1/-0.25mm	0.8 ± 0.15 mm	3.5 (+0.25/-0.15 mm)	4P
		4 (+0.25/-0.15 mm)	
		4.5 (+0.25/-0.15 mm)	
		5 (+0.25/-0.15 mm)	
		5.5 (+0.25/-0.15 mm)	
		6 (+0.25/-0.15 mm)	
		6.5 (+0.25/-0.15 mm)	
		7 (+4%/-2,5%)	
		8 (+4%/-2,5%)	
		9 (+4%/-2,5%)	
		10 (+4%/-2,5%)	
		11 (+4%/-2,5%)	
		12 (+4%/-2,5%)	
		13 (+4%/-2,5%)	
		14 (+4%/-2,5%)	
		15 (+4%/-2,5%)	

*With optional hot-melt (HM) adhesive • Note: total height will increase up to 0.5 mm if hot-melt requested

Colours	
Multifilament pile yarn colours	
Grey	Black

Other colours available with special conditions for minimum order quantities, lead time and price may apply.

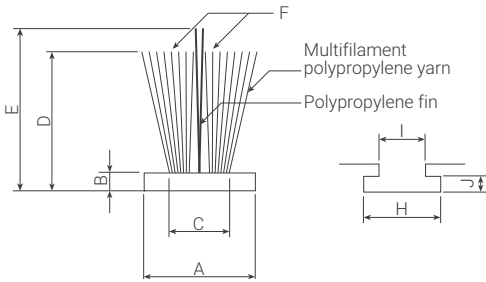


Fin-Seal (FS)

Woven brush pile seals

Soft silicone treated multifilament pile yarn on a woven reinforced translucent backing. With welded clear central fin for improved weather sealing of sliding windows and doors. Optional adhesive backing. Optional adhesive backing.



Dimensions				
	4.8	6.7	6.9	
H	5.3	7.5	7.7	
I	3.2	3.2	3.2	
J	1.3	1.3	1.3	
Minimum clearance recommended: +0.5 mm of backing width chosen				
Other dimension available with special conditions for minimum order quantities, lead time, packaging and price may apply				

Standard solutions				
A Backing width*	B Backing thickness	D Brush height	E Fin height**	F Brush density (P)
4.8 +0.1/-0.2mm 6.7 +0.1/-0.25mm 6.9 +0.1/-0.25mm	0.8 ± 0.15 mm	3.5 (+0.25/-0.15 mm)	3.5 (+/-0.25 mm)	4P
		4 (+0.25/-0.15 mm)	4 (+/-0.25 mm)	
		4.5 (+0.25/-0.15 mm)	4.5 (+/-0.25 mm)	
		5 (+0.25/-0.15 mm)	5 (+/-0.25 mm)	
		5.5 (+0.25/-0.15 mm)	5.5 (+/-0.25 mm)	
		6 (+0.25/-0.15 mm)	6 (+/-0.25 mm)	
		6.5 (+0.25/-0.15 mm)	6.5 (+/-0.25 mm)	
		7 (+4%/-2.5%)	7 (+0.5mm/-0.25 mm)	
		8 (+4%/-2.5%)	8 (+0.5mm/-0.25 mm)	
		9 (+4%/-2.5%)	9 (+0.5mm/-0.25 mm)	
		10 (+4%/-2.5%)	10 (+0.5mm/-0.25 mm)	
		11 (+4%/-2.5%)	11 (+0.5mm/-0.25 mm)	
		12 (+4%/-2.5%)	12 (+/-0.5 mm)	
		13 (+4%/-2.5%)	13 (+/-0.5 mm)	
		14 (+4%/-2.5%)	14 (+/-0.5 mm)	
		15 (+4%/-2.5%)	15 (+/-0.5 mm)	

*With optional hot-melt (HM) adhesive • Note: total height will increase up to 0.5 mm if hot-melt requested

**With optional black non-woven (NW) silent fin

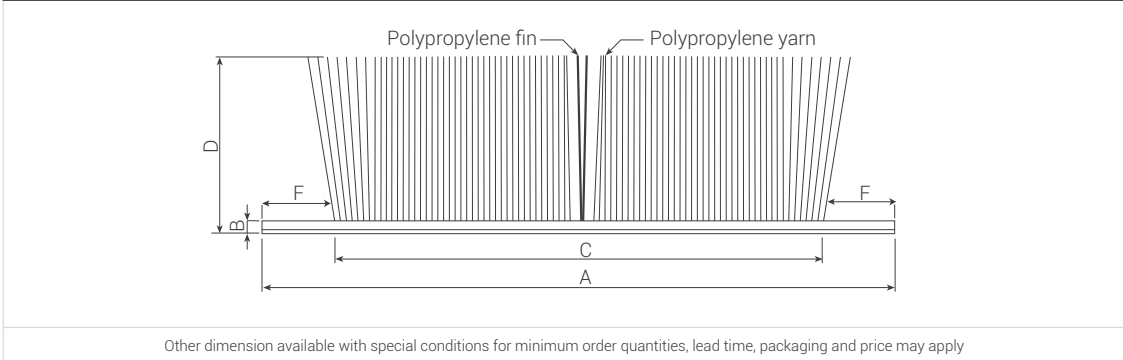
Colours	
Multifilament pile yarn colours	
Grey	Black

Other colours available with special conditions for minimum order quantities, lead time and price may apply.

Dust-Plug (DP)

Woven brush pile seals

Soft silicone treated multifilament pile yarn on a woven reinforced translucent backing. Available cut-to-size and in lengths for specific and generally wider sealing applications like in corners of sliding doors or furniture. Optional adhesive backing, fins and untreated monofilament edges.



Standard solutions				
A Carrier width*	B Backing thickness	C Pile carrier width	D Brush and optional central fin height	F=A-C
10 ≤ L ≤ 60 ± 0.5 mm with 0.5 mm intervals	0.8 ± 0.15 mm	6 ≤ L ≤ 56 ± 1.0 mm	5 ≤ D ≤ 6.5 mm (+0.25/-0.15 mm) with 0.50 mm intervals	Min. 2 mm
			6.5 ≤ D ≤ 22 mm (+4%/-2.5% with 1 mm intervals)	
			Fin D > 5 mm (+0.25/-0.15 mm) with 0.50 mm intervals	
			Fin level only (+0.50/-0.50 mm)	

Other configurations upon request: • Strengthening monofilament edges • Fin alternatives under design
 *With optional hot-melt adhesive (HM). Note: total height will increase up to 0.5 mm if hot-melt requested.

Colours	
Multifilament pile yarn colours	
Grey	Black

Other colours available with special conditions for minimum order quantities, lead time and price may apply.



G-LON

Brush pile

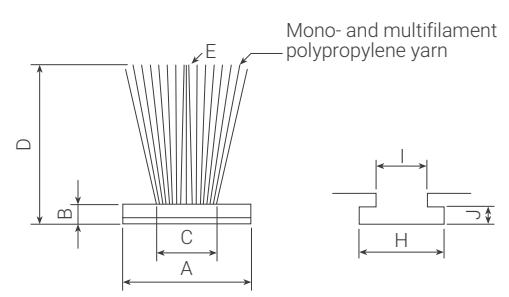
Extruded

Shutter-Pile (SP)

Woven brush pile seals

Woven pile on a translucent backing. Soft silicone treated multifilament yarn, partially strengthened with stiffer untreated monofilament. It is typically inserted in T-slots of side guiding channels for sealing of roller shutters and similar products. Optional adhesive backing.



Dimensions				
	4.8	6.7	6.9	
H	5.3	7.5	7.7	
I	3.2	3.2	3.2	
J	1.3	1.3	1.3	
Minimum clearance recommended: +0.5 mm of backing width chosen				
Other dimension available with special conditions for minimum order quantities, lead time, packaging and price may apply				

Standard solutions			
A Backing width*	B Backing thickness	D Brush height	E Brush density (P) in line (L) with monofilament (M)
4.8 +0.10/-0.15 mm	0.8 ± 0.15 mm	3.0 ≤ D ≤ 6.5 mm (+0.25/-0.15 mm) with 0.50 mm intervals	2P1L1M 3P1L1M
6.7 +0.10/-0.20 mm		6.5 < D ≤ 10.0 mm with 0.5 mm intervals (4%/-2.5% mm)	
6.9 +0.10/-0.20 mm		10.0 ≤ D ≤ 15.0 mm (+4%/-2.5% mm) with 1.0 mm intervals	

*With optional hot-melt (HM) adhesive • Note: total height will increase up to 0.5 mm if hot-melt requested

Colours	
Multifilament pile yarn colours	
Black	Grey

Colours	
Monofilament pile yarn colours	
Black	Grey

Other colours available with special conditions for minimum order quantities, lead time and price may apply.

Power-Pile (PW)

Extruded brush pile seals

Soft silicone treated multifilament pile yarn on an extruded base with upstanding directors. Guaranteed on centre pile, more suitable for machine insertion. Optional adhesive backing.



Dimensions				
	4.8	6.7	6.9	
H	5.3	7.5	7.7	
I	3.2	3.2	3.2	
J	1.3	1.3	1.3	
Minimum clearance recommended: +0.5 mm of backing width chosen				
Other dimension available with special conditions for minimum order quantities, lead time, packaging and price may apply				

Standard solutions					
A Backing width	B Backing thickness	C Directors width	D Directors height	E Brush height	F Brush density (P)
4.8 ± 0.2 mm	0.65 ± 0.1 mm	2.5 ± 0.3 mm	2.4 ± 0.3 mm	5.0 ≤ E ≤ 8.0 mm (+0.50/-0.50 mm) with 0.50 mm intervals	4P
6.7 ± 0.2 mm				8.0 < E ≤ 25.0 mm (+0.50/-0.50 mm) with 1.0 mm intervals	
6.9 ± 0.2 mm					

Colours	
Multifilament pile yarn colours	
Grey	Black

Other colours available with special conditions for minimum order quantities, lead time and price may apply.

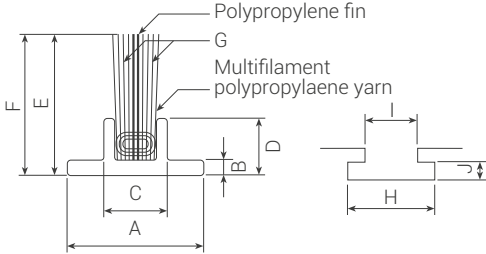


Fin-Pile (FP)

Extruded brush pile seals

Soft silicone treated multifilament pile yarn on an extruded base with upstanding directors. Guaranteed on centre pile, more suitable for machine insertion. Two clear central fins keep the brush visually intact while providing improved weather sealing for sliding windows and doors. Optional adhesive backing.



Dimensions				
	4.8	6.7	6.9	
H	5.3	7.5	7.7	
I	3.2	3.2	3.2	
J	1.3	1.3	1.3	
Minimum clearance recommended: +0.5 mm of backing width chosen				
Other dimension available with special conditions for minimum order quantities, lead time, packaging and price may apply				

Standard solutions						
A Backing width	B Backing thickness	C Directors width	D Directors height	E Brush height	F Fin height* (≥ 5 mm)	G Brush density (P)
4.8 ± 0.2 mm	0.65 ± 0.1 mm	2.6 ± 0.3 mm	2.6 ± 0.3 mm	5 ≤ E ≤ 8 mm (+0.50/-0.50 mm) with 0.50 mm intervals	Level only (+0.50/-0.50 mm)	4P
6.7 ± 0.2 mm				E ≤ 20 mm (+0.50/-0.50 mm) with 1 mm intervals		
6.9 ± 0.2 mm						

*With optional black non-woven (NW) silent fin

Colours	
Multifilament pile yarn colours	
Grey	Black

Other colours available with special conditions for minimum order quantities, lead time and price may apply.

G3

Extruded brush pile seals

Soft silicone treated multifilament yarn on an extruded base.
Guaranteed on centre pile, more suitable for machine insertion.
With clear central fin for improved weather sealing of sliding windows and doors. Optional adhesive backing.



Dimensions				
	4.8	6.7	6.9	
H	5.3	7.5	7.7	
I	3.2	3.2	3.2	
J	1.3	1.3	1.3	
Minimum clearance recommended: +0.5 mm of backing width chosen				
Other dimension available with special conditions for minimum order quantities, lead time, packaging and price may apply				

Standard solutions						
A Backing width	B Backing thickness	C Directors width	D Directors height	E Brush height	F Fin height* (≥ 5 mm)	G Brush density (P)
4.8 ± 0.2 mm	0.65 ± 0.1 mm	2.5 ± 0.3 mm	2.3 ± 0.2 mm	4 ≤ E ≤ 5 mm (+0.50/-0.50 mm) with 0.50 mm intervals	E+1 mm (+0.50/-0.50 mm)	4P
6.7 ± 0.2 mm				5.5 ≤ E ≤ 8 mm (+0.50/-0.50 mm) with 0.50 mm intervals	Level or E+1 mm (+0.50/-0.50 mm)	
6.9 ± 0.2 mm				8 ≤ E ≤ 12 mm (+0.50/-0.50 mm) with 1 mm intervals		
				12 ≤ E ≤ 20 mm (+0.50/-0.50 mm) with 1 mm intervals	Level fin only (+0.50/-0.50 mm)	

*With optional black non-woven (NW) silent fin

Colours	
Multifilament pile yarn colours	
Grey	Black

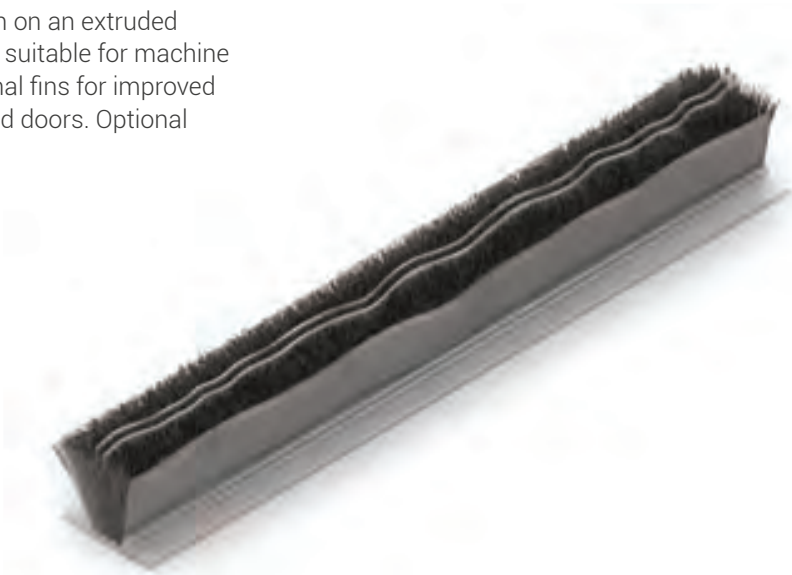
Other colours available with special conditions for minimum order quantities, lead time and price may apply.

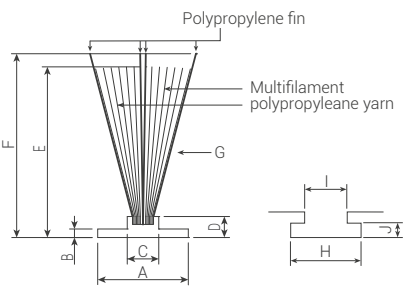


G3-QF (Quadrafin)

Extruded brush pile seals

Soft silicone treated multifilament yarn on an extruded base. Guaranteed on centre pile, more suitable for machine insertion. With clear central and external fins for improved weather sealing of sliding windows and doors. Optional adhesive backing.



Dimensions				
	4.8	6.7	6.9	
H	5.3	7.5	7.7	
I	3.2	3.2	3.2	
J	1.3	1.3	1.3	
Minimum clearance recommended: +0.5 mm of backing width chosen				
Other dimension available with special conditions for minimum order quantities, lead time, packaging and price may apply				

Standard solutions						
A Backing width	B Backing thickness	C Directors width	D Directors height	E Brush height	F Central and outside Fin height* (≥ 6 mm)	G Brush density (P)
4.8 ± 0.2 mm	0.65 ± 0.1 mm	2.5 ± 0.2 mm	1.2 ± 0.2 mm	6 ≤ E ≤ 10 mm (+0.50/-0.50 mm with 0.50 mm intervals)	Level or E+1 mm (+0.50/-0.50 mm)	4P
6.7 ± 0.2 mm				10 ≤ E ≤ 12 mm (+0.50/-0.50 mm with 1 mm intervals)		
6.9 ± 0.2 mm						

*With standard black or grey non-woven (NW) silent fin

Colours	
Multifilament pile yarn colours	
Grey	Black

Other colours available with special conditions for minimum order quantities, lead time and price may apply.

Bi-Fin (BF)

Extruded brush pile seals

Soft silicone treated multifilament pile yarn on an extruded base with upstanding directors. Guaranteed on centre pile, more suitable for machine insertion.

A clear lateral fin ensures side protection of the yarn and improves weather sealing for sliding applications. Optional adhesive backing.



Dimensions				
	4.8	6.7	6.9	
H	5.3	7.5	7.7	
I	3.2	3.2	3.2	
J	1.3	1.3	1.3	
Minimum clearance recommended: +0.5 mm of backing width chosen				
Other dimension available with special conditions for minimum order quantities, lead time, packaging and price may apply				

Standard solutions						
A Backing width	B Backing thickness	C Directors width	D Directors height	E Brush and central fin height	F External fin height* (≥ 5 mm)	G Brush density (P)
4.8 ± 0.2 mm	0.65 ± 0.1 mm	2.6 ± 0.3 mm	2.4 ± 0.3 mm	6 ≤ E ≤ 8 mm (+0.50/-0.50 mm) with 0.50 mm intervals	Level fin only (+0.50/-0.50 mm)	4P
6.7 ± 0.2 mm				8 ≤ E ≤ 20 mm (+0.50/-0.50 mm) with 1 mm intervals		
6.9 ± 0.2 mm						

*With optional black non-woven (NW) silent fin

Colours	
Multifilament pile yarn colours	
Grey	Black

Other colours available with special conditions for minimum order quantities, lead time and price may apply.



Angle-Pile (AP)

Extruded brush pile seals

Untreated monofilament yarn with extruded base. Available in 45° or 60° angles, Guaranteed on centre pile, more suitable for machine insertion. Predominantly applied in side guiding channels of rolling insect screens. Install single with softer standard pile, or double, to hold the screen mesh in the guides.



Dimensions			
	4.8	6.9	
H	5.3	7.7	
I	3.2	3.2	
J	1.3	1.3	
Minimum clearance recommended: +0.5 mm of backing width chosen			
Other dimension available with special conditions for minimum order quantities, lead time, packaging and price may apply			

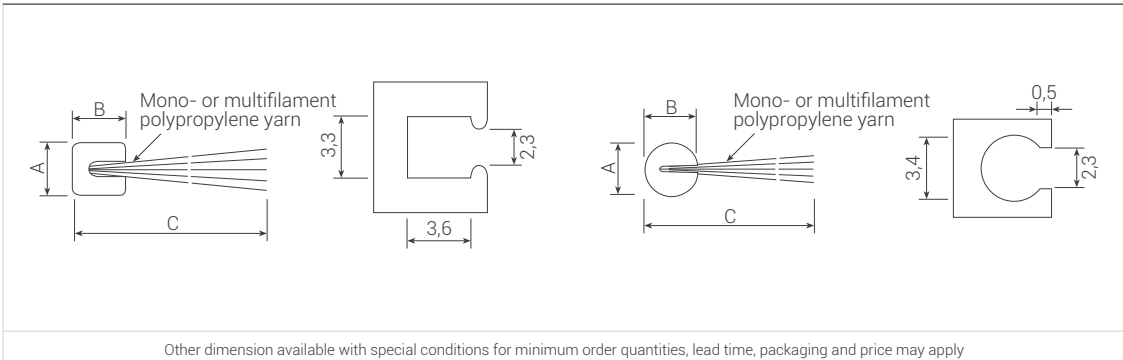
Standard solutions				
A Carrier width	B Backing thickness	C Brush height	D Angles	E Brush density
4.8 ± 0.2 mm	0.65 ± 0.15 mm	9.0 ≤ D ≤ 12.0 + 0.5 mm with 0.50 mm intervals	45 ± 5°	24
6.9 ± 0.2 mm		12.0 < C ≤ 25.0 + 0.5 mm with 1.0 mm intervals	60 ± 5°	

Colours	
Multifilament pile yarn colours	
Black	Grey

Skirting-Fringe (SF)

Extruded brush pile seals

Extruded square or round base for sealing of gaps at the edges of swing doors, roller shutters and other similar narrow profile applications. Stiffer untreated 6-ply monofilament or softer silicone treated multifilament yarn. Other base shapes and dimensions are available upon request.



Other dimension available with special conditions for minimum order quantities, lead time, packaging and price may apply

Standard solutions			
A Carrier width	B Carrier height	C Brush height	D Brush density
Square 2.7 ± 0.15 mm Square 2.9 ± 0.15 mm Square 3.1 ± 0.15 mm Square 3.3 ± 0.15 mm Round 2.7 ± 0.15 mm Round 2.9 ± 0.15 mm Round 3.1 ± 0.15 mm Round 3.3 ± 0.15 mm	2.7 (+0.15 / -0.35) 2.9 (+0.15 / -0.35) 3.1 (+0.15 / -0.35) 3.3 (+0.15 / -0.35)	$5.0 \leq D \leq 30.0 + 0.5$ mm with 1.0 mm intervals	Monofilament 24 Multifilament 4P

Colours	
Multifilament pile yarn colours	
Black	Grey

Colours	
Monofilament pile yarn colours	
Black	Grey

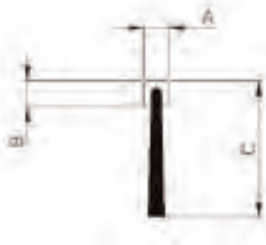
Other colours available with special conditions for minimum order quantities, lead time and price may apply.



Flex-Brush (FB)

Coilable brush pile seals

Extruded square base for sealing of revolving doors, escalators, industrial doors and garage doors. Monofilament yarn available in polypropylene. Also available in Polyamide 6 with special conditions on minimum order quantity, lead time and price. Other carrier shapes and dimensions are available upon request.



Other dimension available with special conditions for minimum order quantities, lead time, packaging and price may apply

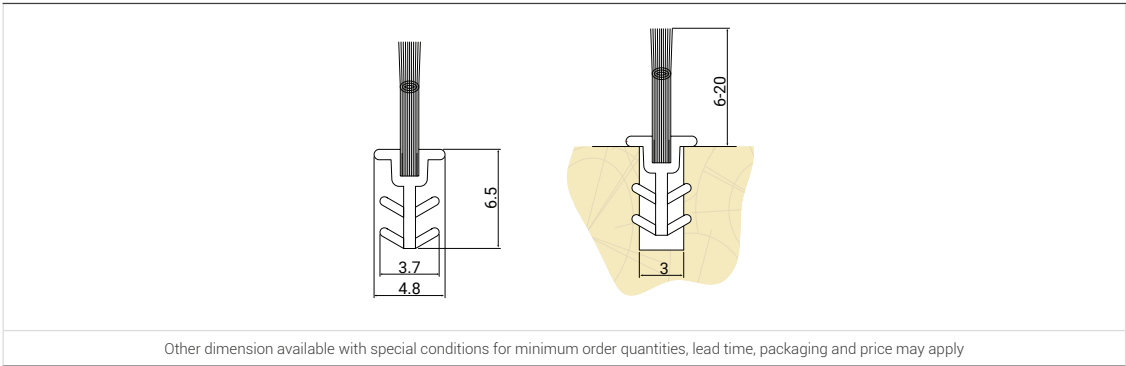
Standard solutions			
A Carrier width	B Carrier height	C Brush height	Brush density
3 mm	3 mm	10 – 50 mm (with 1 mm intervals)	SD15
3.5 mm	3.5 mm		
4 mm	4 mm		HD15
4.5 mm	4.5 mm		

Colours	
Polypropylene colours	
Black	Grey

Kerf-Pile (KP)

Extruded brush pile seals

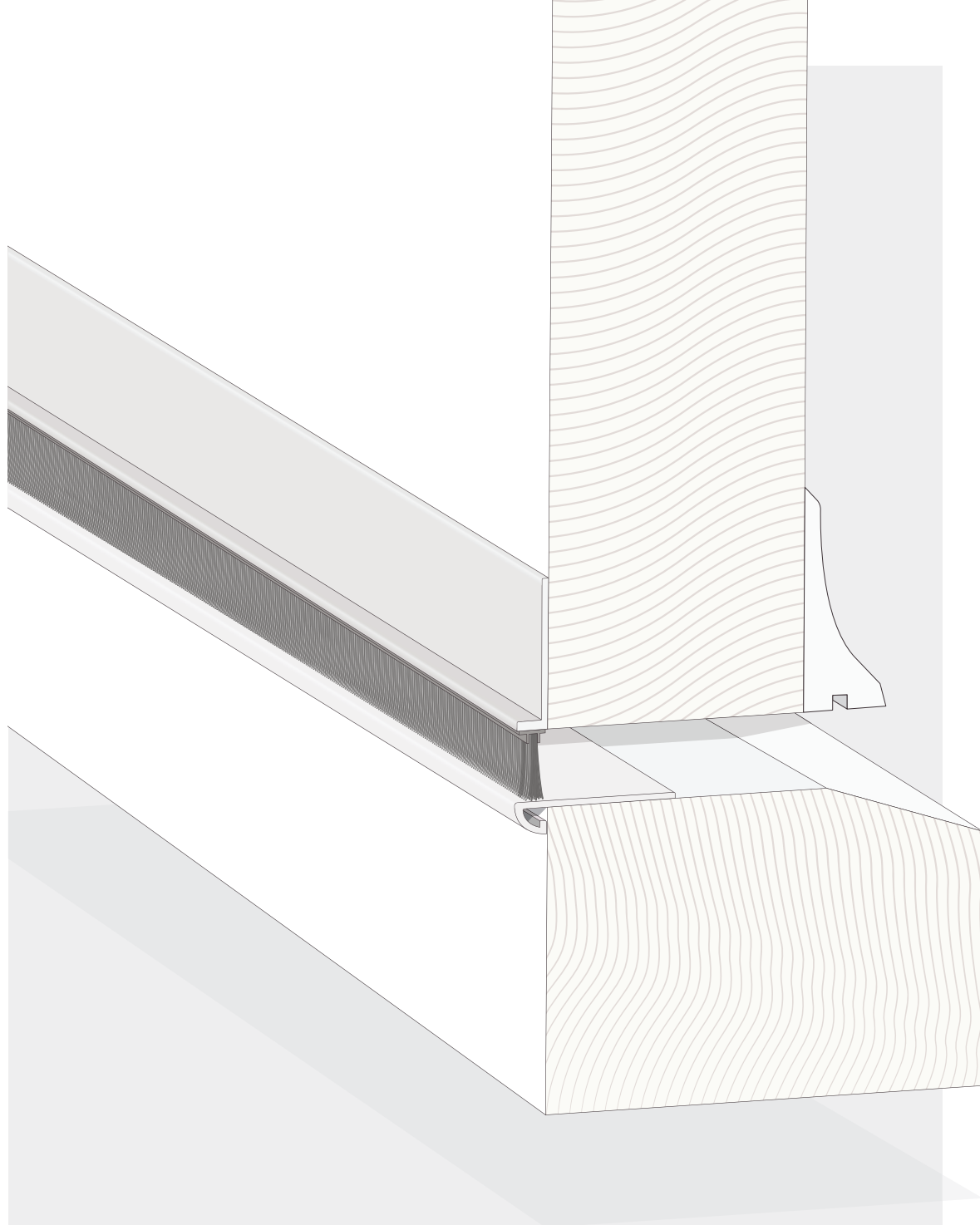
Soft silicone treated multifilament pile yarn on a dedicated extruded base designed to fit a timber groove.
Easy insertion and excellent sealing.



Standard solutions			
Groove width	Min. groove depth	Brush height	Brush density
3 mm	7 mm	6.0 < H ≤ 20.0 mm (+0.50/-0.50 mm) with 1.0 mm intervals	5P

Standard Colours	
Multifilament pile yarn	
Black	Silver Grey

Extra Colours		
Multifilament pile yarn		
White	Brown	Beige



Combination brush pile seals

- Rigid ABS, PP or PVC-U extrusion for universal surface or kerf-slot fitting
- Fitted with brush pile according to specification
- Alternatively extruded profile for retro-fit with brush pile in coils

FOR UNIVERSAL SURFACE FITTING

Poly-Bond on extruded PVC-U, PP or ABS carrier

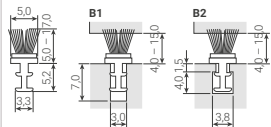
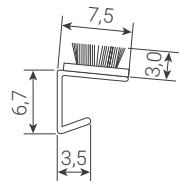
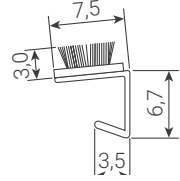
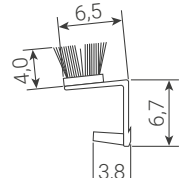
PB 1126 Seal gap: 8.0 - 15.0 Pack size: 50 m x 2	
Doors	
PB 1127 Seal gap: 11.0 - 23.0 Pack size: 50 m x 4 50 m x 3 45 m x 3	
Doors	

FOR KERF-SLOT FITTING

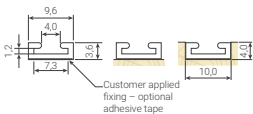
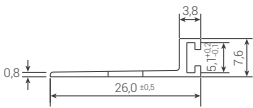
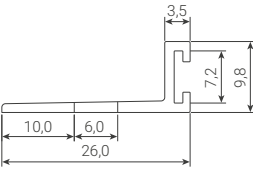
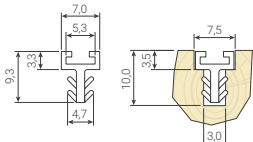
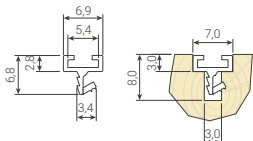
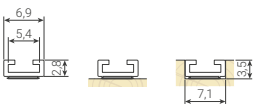
Poly-Bond on extruded PVC-U, PP or ABS carrier

PB 0908 Groove width: 3.0 Min. groove depth: 10.0 Seal gap: 2.0 - 13.0 Pack size: 2.1 m x 100	
Doors	
PB 1001 Groove width: 3.0 Min. groove depth: 6.0 Rebate: 9.5 Seal gap: 4.0 - 15.0 Pack size: 150 m x 1	
Timber sliding windows	
PB 1002 Groove width: 3.0 Min. groove depth: 6.0 Rebate: 11.8 Seal gap: 4.0 - 15.0 Pack size: 150 m x 1	
Timber sliding windows	
PB 1003 Groove width: 3.0 Min. groove depth: 6.0 Rebate: 7.5 Seal gap: 4.0 - 15.0 Pack size: 100 m x 1	
Timber sliding windows	
PW 1018 FLEX Groove width: 3.0 Min. groove depth: 7.0 Seal gap: 4.0 - 15.0 Pack size: 200 m x 1 2.1 m x 300	
Timber sliding doors	



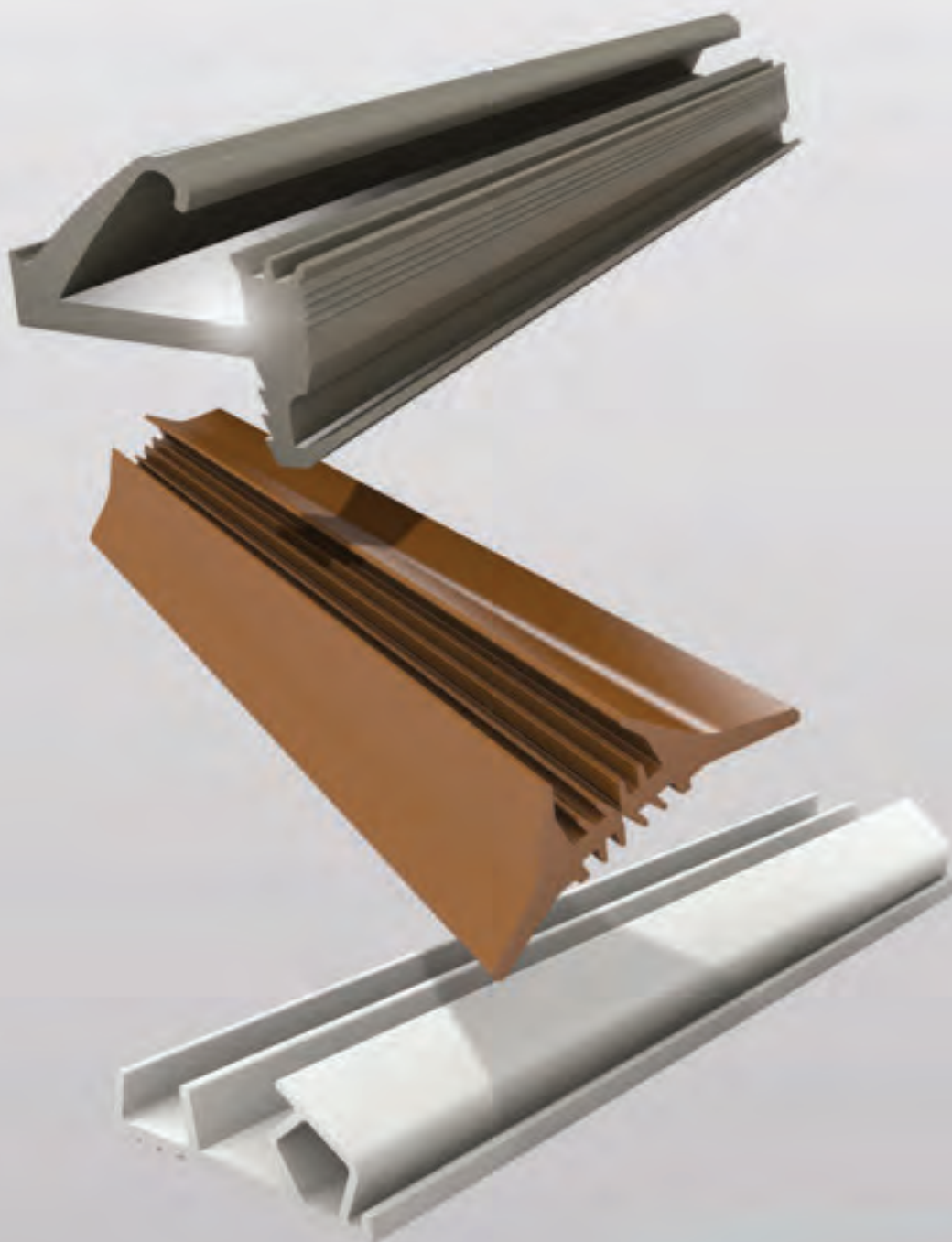
PB 1021	
Groove width: 3.0 nom. (B1); 2.5 min. to 3.8 max. (B2) Min. groove depth: 7.0 Rebate: 7.5 Seal gap: 4.0 - 15.0	
Aluminium sliding doors	
PB 1372	
Groove width: 3.0 Min. groove depth: 7.0 Pack size: 650 m x 1	
RX	
PB 1451	
Groove width: 3.0 Min. groove depth: 7.0 Pack size: 650 m x 1	
LX	
PB 1466	
Groove width: 3.0 Min. groove depth: 7.0 Pack size: 650 m x 1	
Dust filter	

CARRIERS FOR BRUSH PILE SEALS

LV 0921	27256	
Groove width: 10.0 Min. groove depth: 4.0 Pack size: 50 m x 100		
C-channel 10 x 4 with 6.7 brush insert		
LV 3015	27797	
Pack size: 2.6 m x 100		
L-profile carrier 7 x 26 with 4.8 brush insert		
LV 3016	27809	
Pack size: 1.0 m x 100		
L-profile carrier 10 x 26 with 6.7 brush insert		
LV 5032	27853	
Groove width: 4.0 Min. groove depth: 10.0 Pack size: 50 m x 9		
Kerf-slot carrier 7 x 9 with 4.8 brush insert		
LV 5438	27900	
Groove width: 3.0 Min. groove depth: 8.0 Pack size: 2.2 m x 200		
Kerf-slot carrier 7 x 7 with 4.8 brush insert		
LV 5594	27923	
Groove width: 7.1 Min. groove depth: 3.5 Pack size: 2.1 m x 100		
Adhesive C-channel with 4.8 brush insert		

Extruded seals

For timber, aluminium
and PVC-U applications



Q-LON

Brush pile

Extruded

WHY CHOOSE EXTRUDED SEALS FROM SCHLEGEL?

Schlegel extruded rigid plastic seals are highly durable and weather resistant, making them ideal for outdoor applications. Other benefits include:

LONGER LASTING

Durability from high quality materials

COLOUR FASTNESS

UV stable performance

VERSATILITY

Suitable for a wide range of uses

CHOICE

A wide range of materials, colours and sizes available

COST-EFFECTIVENESS

Long-lifecycles and minimal maintenance needs

BESPOKE SERVICE

Product customisation available

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MATERIALS AND COLOURS

Schlegel extruded seals are made from various extruded materials and can be combined with foam seals.



Available in the following colours:

Standard Colours

- WHITE / RAL 9003 / Code 287
- Black / RAL 9005 / Code 288

Extra Colours

- Grey / RAL 7040 / Code 224
- Graphite Grey / RAL 7024 / Code 273
- Light Grey / RAL 7035 / Code 275
- Dusty Grey / RAL 7037 / Code 276
- Grey / RAL 7045 / Code 277
- Brown / RAL 8019 / Code 285

For the standard colours for each item, please refer to the separately available customer drawings on our website.

Lozaron (LF) (LP) (LT) (LV)

Lozaron seals consist of a range of TPE, foamed TPE, polypropylene, EPDM and PVC-U profiles.

- **Lozaron TPE extrusions with flexible microcell foam (LF)**
- **Lozaron TPE extruded profiles without foam (LT)**
- **Polypropylene (LP) and PVC-U (LV) extrusions**

In our range of extruded seals, a variety of materials and manufacturing processes are combined to achieve the optimal combination of product characteristics.

Lozaron extrusions are made of different plastic compounds and can be combined with the Poly-Bond brush pile and Q-LON foam technologies as outlined.

IN ALL SHAPES



Schlegel extruded seals can be configured with geometries ranging from the simplest to the most specific shapes.

WIDE RANGE OF COLOURS



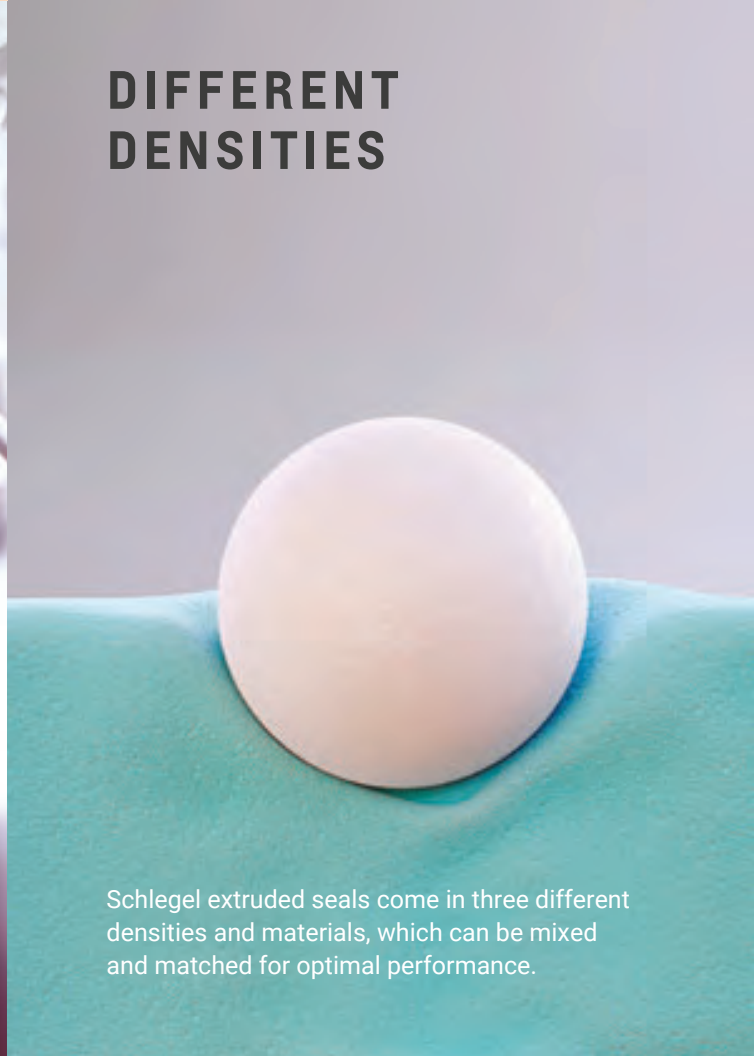
Schlegel extruded seals come in a huge range of colours.

WIDE RANGE OF MATERIALS



Schlegel extruded seals are made from the best material to suit each application.

DIFFERENT DENSITIES



Schlegel extruded seals come in three different densities and materials, which can be mixed and matched for optimal performance.

CLASSIFICATIONS

WEATHERSEALS COMPLIANT WITH EN 12365 2003

Under EN 12365 2003 there is a prescribed classification system that enables window, door, shutter and curtain walling manufacturers or installers to ensure that they are using the component that best meets their requirements.

A six-digit system is used

1	2	3	4	5	6
Category of use	Working range	Linear compression force	Working temperature range	Deflection recovery	Recovery after ageing
W = Weatherstrip G = Gasket	9 grades showing the working range of the seal; 9 indicates the greatest distance	9 grades showing the linear compression force; 9 indicates the greatest force	6 grades showing the operating temperature range, each with different maximum and minimum temperatures	8 grades showing deflection recovery; grade 0 indicates no requirement and grade 7 shows the greatest recovery	8 grades showing recovery after ageing; grade 0 indicates no requirement and grade 7 shows the greatest recovery

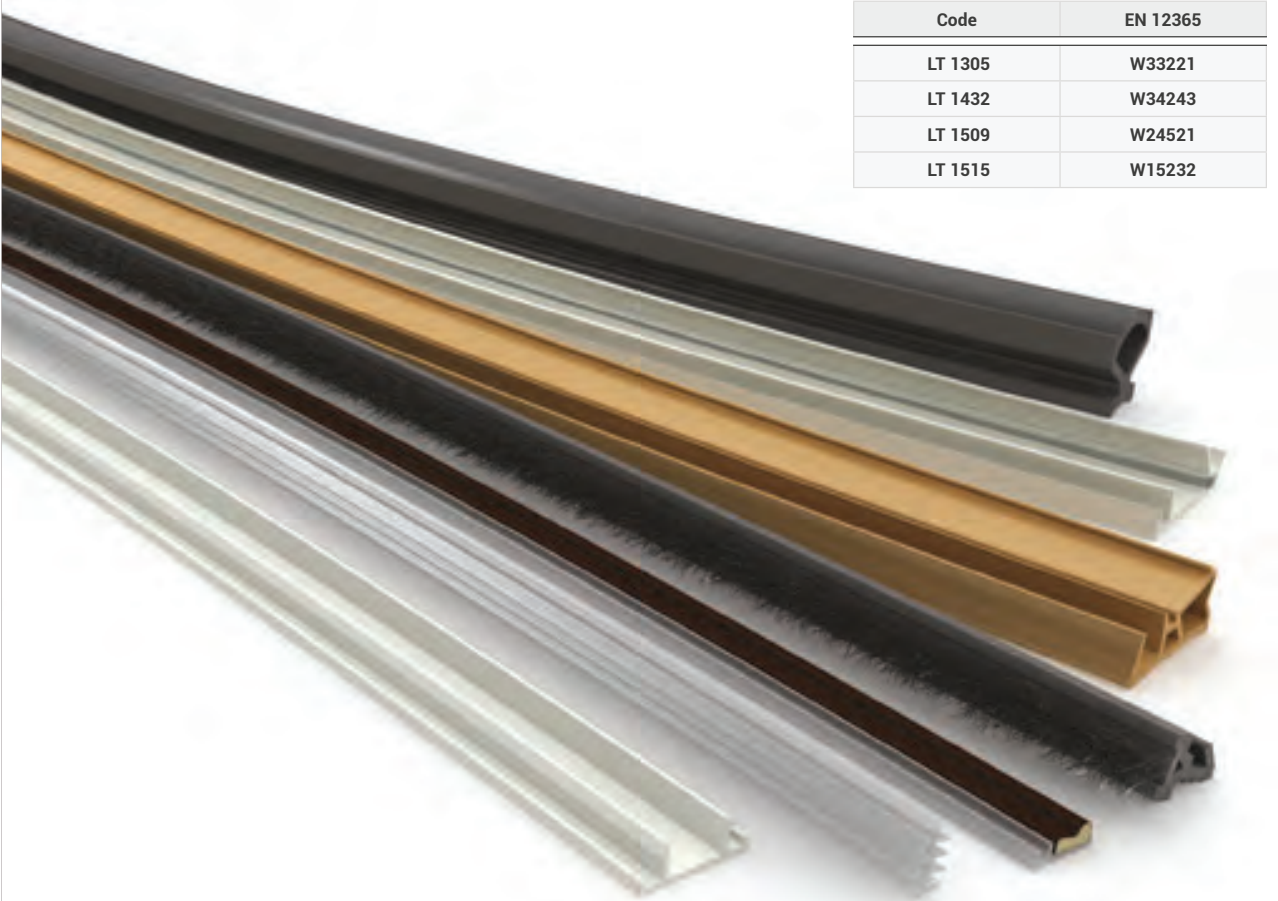
Grades

1: ≤ 1 mm 2: >1 mm ≤2 mm 3: >2 mm ≤4 mm 4: >4 mm ≤6 mm 5: >6 mm ≤8 mm 6: >8 mm ≤10 mm 7: >10 mm ≤15 mm 8: >15 mm ≤30 mm 9: >30 mm	1: ≤ 10 N/m 2: >10 N/m ≤20 N/m 3: >20 N/m ≤50 N/m 4: >50 N/m ≤100 N/m 5: >100 N/m ≤200 N/m 6: >200 N/m ≤500 N/m 7: >500 N/m ≤700 N/m 8: >700 N/m ≤1000 N/m 9: >1000 N/m	1: 0°C to +45°C 2: -10°C to +55°C 3: -20°C to +85°C 4: -25°C to +100°C 5: -40°C to +70°C 6: 0°C to +200°C	0: No requirements 1: >30% to 40% 2: >40% to 50% 3: >50% to 60% 4: >60% to 70% 5: >70% to 80% 6: >80% to 90% 7: >90%	0: No requirements 1: >30% to 40% 2: >40% to 50% 3: >50% to 60% 4: >60% to 70% 5: >70% to 80% 6: >80% to 90% 7: >90%
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A typical classification looks like this

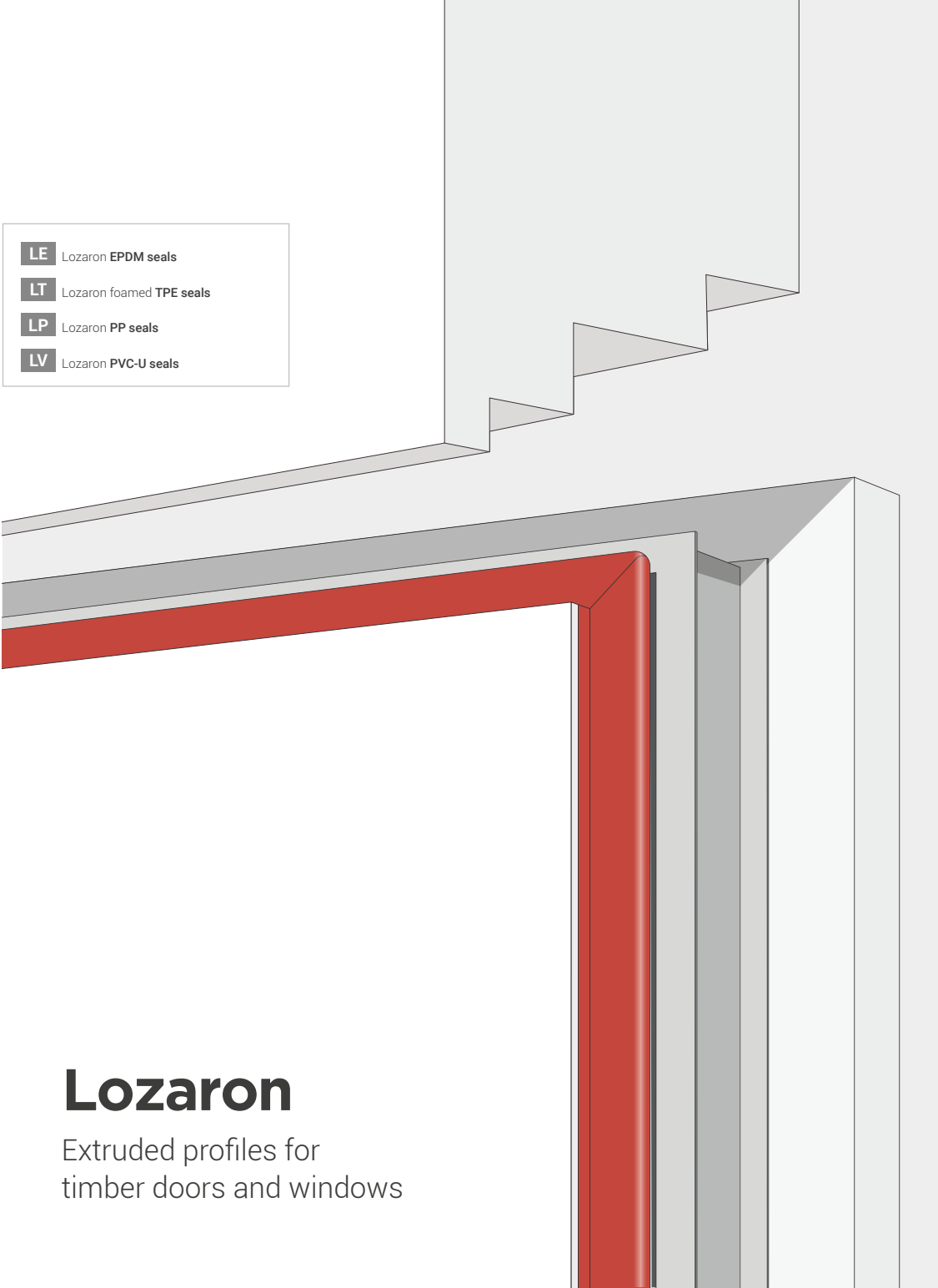
W	3	4	2	4	3
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Code	EN 12365
LT 1305	W33221
LT 1432	W34243
LT 1509	W24521
LT 1515	W15232





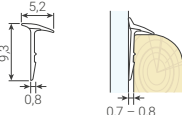
- LE** Lozaron EPDM seals
- LT** Lozaron foamed TPE seals
- LP** Lozaron PP seals
- LV** Lozaron PVC-U seals



Lozaron

Extruded profiles for
timber doors and windows

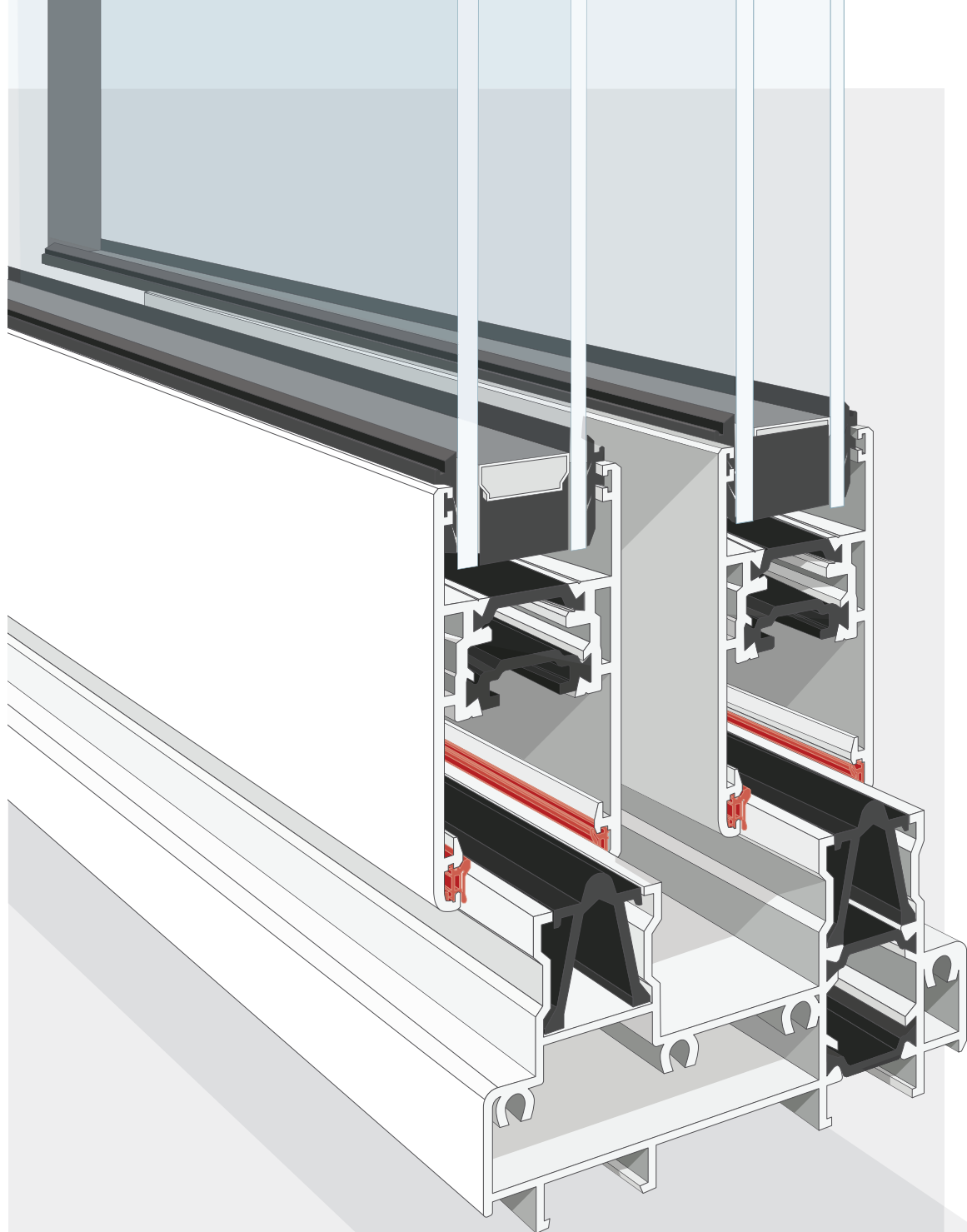
LF 1105	23010	
Groove width: 1.5 - 2.2 Min. groove depth: 11.5 Pack size: 400 m x 2		
Cover profile for dry glazing		

LP 1034	24010	
Groove width: 0.7 - 0.8 Pack size: 400 m x 1		
Cover profile for dry glazing		

LP 1057	24091	
Groove width: 3.0 Min. groove depth: 6.0 Rebate: 11.0 Seal gap: 4.0 - 5.5 Pack size: 800 m x 1		
Casement seal		
LT 1362	26020	
Groove width: 5.0 Min. groove depth: 8.0 Rebate: 12.0 / 19.0 Pack size: 25 m x 1 150 m x 1		
Profile for doors and windows		F
LT 1430	26350	
Groove width: 5.0 Min. groove depth: 7.0 Rebate: 15.0 Seal gap: 5.0 Pack size: 130 m x 1		
Door sealing profile		F S
W34242		
LT 1432	26571	
Groove width: 5.0 Min. groove depth: 8.0 Rebate: 12.0 Seal gap: 5.0 Pack size: 150 m x 1		
Sealing profile		C
W34243		
LT 1481	26673	
Groove width: 4.0 Min. groove depth: 6.0 Rebate: 12.0 Seal gap: 5.0 Pack size: 120 m x 1		
Sealing profile		
LT 1489	26891	
Groove width: 3.0 Min. groove depth: 7.0 Pack size: 300 m x		
Double window seal		C S

LV 0959	27437	
Groove width: 3.0 - 4.0 Min. groove depth: 7.0 Rebate: 17.0 Seal gap: 4.0 - 5.0 Pack size: 165		
Door threshold profile		F S
LV 1102	27370	
Groove width: 2.8 - 3.5 Min. groove depth: 6.5 Rebate: 12.0 Seal gap: 3.5 - 5.0 Pack size: 80 m x 4		
Double window seal		C F
LV 1140	27003	
Groove width: 6.35 Min. groove depth: 10.0 Rebate: 17.0 Seal gap: 5.0 - 8.0 Pack size: 50		
Door sealing profile		F S
LV 1305	27555	
Groove width: 4.0 Min. groove depth: 5.0 Seal gap: 5.0 - 7.0 Pack size: 45 m x 7 60 m x 10 300 m x 1		
Window sealing profile		F
W33221		
LV 1306	2756601	
Groove width: 4.0 Min. groove depth: 5.0 Seal gap: 5.0 - 7.0 Pack size: 300 m x 1		
Window sealing profile		F
W33221		

F Suitable for Frame Seal S Suitable for Sash Seal O Suitable for Overlap Seal C Suitable for Centre Seal



Lozaron Aluminium

Applications on aluminium
doors and windows

FOR ALUMINIUM DRY GLAZING

LE 611 FV2	2230501	
A - Seal gap: 2.0 Pack size: 500 m x 1		
Glazing bead seal		
LE 727 FV3	2231001	
A - Seal gap: 3.0 Pack size: 400 m x 1		
Glazing bead seal		
LE 768 FV4	2231501	
A - Seal gap: 4.0 Pack size: 250 m x 1		
Glazing bead seal		
LE 1009 FV5	2232001	
A - Seal gap: 5.0 Pack size: 150 m x 1		
Glazing bead seal		
LE 1162 FV6	2232501	
A - Seal gap: 6.0 Pack size: 150 m x 1		
Glazing bead seal		
LE 1232 FV7	2233001	
A - Seal gap: 7.0 Pack size: 100 m x 1		
Glazing bead seal		

LE 1325 FV8	2233501	
A - Seal gap: 8.0 Pack size: 100 m x 1		
Glazing bead seal		
LE 1670 FV10	22340	
A - Seal gap: 10.0 Pack size: 100 m x 1		
Glazing bead seal		

FOR ALUMINIUM SLIDING DOORS

LT 1509	26990	
Throat width: 4.0 - 4.5 Groove width: 7.0 Seal gap: 3.0 - 3.5 Pack size: 250 m x 1		
Sliding seal		
W24521		
LT 1515	26993	
Throat width: 3.2 Groove width: 5.4 Seal gap: 2.6 - 2.9 Pack size: 250 m x 1		
Sliding seal		
W15232		



Q-LON

Brush pile

Extruded

Shutters and screens

FOR ROLLER SHUTTERS, SCREENS AND WINDOW COVERING PRODUCTS

LP 1040	24030	
Pack size: 500 m x 1		
Side guiding shutter profile		

LP 1077	26015	
Groove width: 2.5 - 6.0 Min. groove depth: 1.2 Seal gap: 4.5 - 6.0 Pack size: 400 m x 1		
Bottom bar seal		

LP 1088	24151	
Groove width: 4.0 - 8.0 Min. groove depth: 1.2 Pack size: 400 m x 1		
Roller shutter T-profile		

LP 1102	27370	
Pack size: 400 m x 2		
Side guiding shutter profile		

LV 1194	27364	
Pack size: 2.5 m x 50		
Cover profile		

LV 1215	27483	
Pack size: 2.5 m x 50		
Cover profile		

LV 1417	27599	
Groove width: 3.0 - 8.0 Min. groove depth: 1.2 Pack size: 350 m x 1		
Side guiding sealing profile		



Q-LON

Brush pile

Extruded

COLOURS APPENDIX

Q-LON: polyurethane foam seals

Colour	RAL Code	Schlegel Code
Standard Colours		
White	9003	222
Silver	7001	212
Brown	8019	220
Black	9005	223

Colour	RAL Code	Schlegel Code
Extra Colours		
Beige	1001	211
Light Oak	8003	217
Fawn Brown	8007	218
Pure White	9010	221
Light Grey	7035	215
Pebble Grey	7032	213
Graphite Grey	7024	214

Brush pile seals and sealing profiles

Colour	RAL Code	Schlegel Code
Standard Colours Monofilament		
Grey	7045	277
Black	9005	288

Colour	RAL Code	Schlegel Code
Standard Colours Multifilament		
Grey	7045	277
Black	9005	288
Extra Colours Multifilament		
Brown	8028	264
Beige	1011	241
White	9003	287

Extruded seals

Colour	RAL Code	Schlegel Code
Standard Colours		
White	9003	287
Black	9005	288

Colour	RAL Code	Schlegel Code
Extra Colours		
Grey	7040	224
Graphite Grey	7024	273
Light Grey	7035	275
Dust Grey	7037	276
Grey	7045	277
Brown	8019	285

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