SEALING SYSTEMS
FOR ALUMINIUM, TIMBER AND PVC WINDOWS AND DOORS
GENERAL INDEX

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SPECIFICATION & STANDARD

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# A GUIDE TO: WEATHERSEAL SELECTION, SPECIFICATION & STANDARD

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AN INTRODUCTION:
TO EN 12365 2003

EN 12365 2003 is the European standard that details the performance requirements of gaskets and weatherstripping in doors, windows, shutters and curtain walling. These gaskets or weatherstripping are to control the movement of air, water, sound and energy between the fixed and opening parts of the described products.

The standard includes all gasket and weatherstripping materials but does not apply to mastics, sealants, putties or other liquids, viscous or other materials extruded into their final place.

The performance of gaskets and weatherstrips are critically important to the overall performance levels of the installed window or door.

In many ways...

... THE WINDOW OR DOOR IS ONLY AS GOOD AS THE WEATHERSTRIPPING EMPLOYED...

...and therefore its classification to EN 12365 2003 should always be a factor in product selection.

The standard is split into four parts:

Part 1 – Performance requirements and classification
Part 2 – Linear compression force test method
Part 3 – Deflection recovery test method
Part 4 – Recovery after accelerated ageing test method

The most recent version of EN 12365 before the preparation of this guide was in 2003.

The standard is due for re-examination and, if required, revision. Please check to ensure that you refer to the latest revision.
The Construction Products Regulation came into force on the 1st July 2013, and requires that manufacturers, who place construction products covered by a harmonised European Standard, on the market within the European Economic Area (EEA), apply a CE mark and produce a Declaration of Performance (DOP) for their products.

CE marking is not applied to windows and doors in all applications in all countries across Europe but still provides consumers with the confidence in the performance of the products they purchase. In order to CE mark a window or a door, the manufacturer is reliant on their component suppliers to provide declarations of performance to support their claims.

As already mentioned, the weatherstrips and gaskets are critically important in the performance of the installed window and therefore door and window manufacturers must choose components from suppliers capable of demonstrating and certifying that the required standards are met or even succeeded.

All external windows and doors across Europe must meet the performance requirements of EN 14351-1 2016. A suitable gasket and / or weatherstrip is an essential component in meeting these performance requirements.

The standard requires that all those selling complete window, door, shutter and curtain walling assemblies make certain declarations on the performance of their products. In most countries this is done in the form of a CE (Conformité Européenne) mark. This relates to weatherstrips and gaskets in two main ways:

- That the materials they are made from are not hazardous in terms of the emission and / or migration of dangerous substances as required by EN 14351-1 2016 clause 4.6.
- That the seal meets the performance requirements under EN 12365-1 2003 as required by EN 14351-1 2016 clause 4.15.

The ultimate method of demonstrating performance compliance is to practically test each window and door in all relevant configurations with the specified components. This may not be practical in all cases but EN 12365 2003 provides a method by which the relative performance of different weatherstrips and gaskets may be assessed and compared.

Window and door manufacturers should also note that...

... A FURTHER REQUIREMENT OF CLAUSE 4.15 IS THAT WEATHERSTRIPS OR GASKETS SHOULD BE REPLACEABLE...

...to ensure the long term serviceability of the door or window. Compliance can normally be demonstrated by ensuring that the seal is located in a pocket or kerf slot in the profile and can therefore be removed and replaced.

SCHLEGEL PRODUCTS
To help establish compliance with EN 14351-1 2016, your seal manufacturer needs to make some compliance declarations. Here are the ones for Schlegel products.

COMPLIANCE WITH CLAUSE 4.6: DANGEROUS SUBSTANCES
In accordance with the requirements of Annex I of regulation No. 305/2011 of the European Parliament and clause 4.6 (Dangerous Substances) of BS EN
14351-1 2016 + A1: 2010, we confirm that there are no materials liable to emission or migration during the normal intended use of products supplied by SchlegelGiesse, that are potentially dangerous to hygiene, health or the environment.

COMPLIANCE WITH CLAUSE 4.15: DURABILITY

In accordance with clause 4.15, the long term water tightness and air permeability characteristics of an external door, window or roof light are dependent upon the weatherseals. This clause requires that weather seals comply with the relevant European Standard, in this instance, EN 12365-1 2003 (Building hardware. Gasket and weather stripping for doors, windows, shutters and curtain walling. Performance requirements and classification).
A SIX DIGIT SYSTEM IS USED:

<table>
<thead>
<tr>
<th>Category of Use</th>
<th>Working Range</th>
<th>Linear Compression Force</th>
<th>Working Temperature Range</th>
<th>Deflection Recovery</th>
<th>Recovery After Ageing</th>
</tr>
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<tr>
<td>W = Weatherstrip</td>
<td>9 grades showing the working range of the seal with 9 being the greatest distance</td>
<td>9 grades showing the linear compression force with 9 being the greatest force</td>
<td>6 grades showing the working temperature range each with different high and low temperatures</td>
<td>8 grades showing deflection recovery with grade 0 indicating no requirement and grade 7 showing the greatest recovery</td>
<td>8 grades showing recovery after ageing with grade 0 indicating no requirement and grade 7 showing the greatest recovery</td>
</tr>
<tr>
<td>G= Gasket</td>
<td>9 grades showing the working range of the seal with 9 being the greatest distance</td>
<td>9 grades showing the linear compression force with 9 being the greatest force</td>
<td>6 grades showing the working temperature range each with different high and low temperatures</td>
<td>8 grades showing deflection recovery with grade 0 indicating no requirement and grade 7 showing the greatest recovery</td>
<td>8 grades showing recovery after ageing with grade 0 indicating no requirement and grade 7 showing the greatest recovery</td>
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</table>

When assessing the performance requirement, the greater the grade does not always show the best level of performance. So, when comparing categorisations higher scores are usually better but careful analysis is required to ensure that the needs of the particular application are met.

A TYPICAL CLASSIFICATION THEREFORE TAKES THE FORM OF:

<table>
<thead>
<tr>
<th>W</th>
<th>5</th>
<th>3</th>
<th>6</th>
<th>4</th>
<th>5</th>
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It is important that evidence is provided and the classification of each seal demonstrated.
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. All testing should be carried out by an accredited test facility. The testing facilities at SchlegelGiesse in Hamburg are accredited by ift Rosenheim.

### Q-LON CLASSIFICATION TO EN 12365 2003

| QL 1026 | QL 1032 | QL 3004 | QL 3005/AQ 63 | QL 3006 | QL 3009 | QL 3011 | QL 3012 | QL 3015/AQ 122 | QL 3013/AQ 48 | QL 3020 | QL 3021 | QL 3025 | QL 3034 | QL 3037/AQ 4846 | QL 3042 | QL 3053 | QL 3054 | QL 3056 | QL 3059 | QL 3061 | QL 3063 | QL 3067 | QL 3068 | QL 3070 | QL 3072 | QL 3073 | QL 3074 | QL 3076 | QL 3078 | QL 3079 | QL 3082 | QL 3091 | QL 3093 | QL 3094 | QL 3095 | QL 3096 | QL 3097 | QL 3098 | QL 3099 | QL 3101 | QL 3102 | QL 3103 | QL 3104 | QL 3106 | QL 3109 | QL 3110 |
|---------|---------|---------|---------------|---------|---------|---------|---------|---------------|---------------|---------|---------|---------|---------|---------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|---------|---------|---------|---------|---------|
| W 2 6 2 7 6 | W 3 5 2 7 6 | W 2 6 2 7 6 | W 3 5 2 6 6 | W 6 2 2 7 6 | W 3 2 2 6 6 | W 3 5 2 7 6 | W 4 5 2 7 6 | W 2 5 2 7 6 | W 1 5 2 7 6 | W 4 4 2 6 6 | W 3 5 2 6 6 | W 2 5 2 6 6 | W 3 5 2 6 6 | W 3 5 2 6 6 | W 3 5 2 6 6 | W 3 5 2 6 6 | W 3 5 2 7 6 | W 3 5 2 7 6 | W 4 4 2 6 6 | W 3 3 2 6 5 | W 3 5 2 6 6 | W 3 5 2 6 6 | W 3 5 2 6 6 | W 4 4 2 6 6 | W 3 3 2 6 6 | W 3 5 2 6 6 | W 3 5 2 6 6 | W 3 5 2 6 6 | W 4 4 2 6 6 | W 3 3 2 6 6 | W 3 5 2 6 6 |
| QL 3111 | QL 3113 | QL 3116 | QL 3117 | QL 3118 | QL 3121 | QL 3122 | QL 3124 | QL 3126 | QL 3128 | QL 3130 | QL 3130 | QL 3131 | QL 3137 | QL 3138 | QL 3139 | QL 3140 | QL 3141 | QL 3141 | QL 3143 | QL 3147 | QL 3150 | QL 3151 | QL 3152 | QL 4465 | QL 45 | QL 4840 | QL 4844 | QL 48510 | QL 48650 | QL 4870 | QL 4870 | QL 48750 | QL 48800 | QL 48950 | QL 50 | QL 5271 | QL 55 | QL 5570 | QL 5626 | QL 5694 | QL 57700 | QL 5878 | QL 5985 | QL 60 | QL 6493 | QL 6571 |
| W 3 5 2 5 6 | W 3 5 2 6 6 | W 3 4 2 6 6 | W 2 3 2 6 6 | W 3 1 2 7 6 | W 3 2 2 6 6 | W 1 7 2 7 6 | W 1 6 2 7 6 | W 1 7 2 7 6 | W 3 2 2 6 5 | W 3 4 2 6 6 | W 2 4 2 6 6 | W 2 5 2 6 6 | W 2 5 2 7 6 | W 2 5 2 7 6 | W 3 1 2 7 6 | W 3 5 2 6 6 | W 3 5 2 6 5 | W 2 4 2 5 5 | W 2 6 2 7 5 | W 3 4 2 6 6 | W 3 3 2 6 6 | W 3 3 2 6 6 | W 2 5 2 6 6 | W 2 7 2 7 6 | W 1 6 2 6 6 | W 3 3 2 6 6 | W 1 5 2 5 6 | W 2 5 2 5 6 | W 2 3 2 6 6 | W 3 3 2 7 6 | W 3 5 2 6 6 | W 2 5 2 7 6 | W 2 5 2 7 6 | W 2 6 2 7 6 | W 2 5 2 6 6 | W 3 5 2 7 6 | W 3 5 2 7 6 | W 3 5 2 6 6 |
| QL 6750 | QL 69400 | QL 69447 | QL 69510 | QL 69650 | QL 69700 | QL 69750 | QL 69800 | QL 6991 | QL 69950 | QL 7000 | QL 7032 | QL 7066 | QL 7307 | QL 836 | QL 9005 | QL 9100 | QL 9111 | QL 9112 | QL 9114 | QL 9154 | QL 9257 | QL 9489 | QL 9536 | QL 9596 | QL 9646 | QL 9608 | QL 9613 | QL 9688 | QL 9710 | QL 9756 | QL 9762 | QL 9898 | QL 9915 | QL 9926 | QL 9928 | QL 9985 |
| W 3 4 2 6 6 | W 1 5 2 5 6 | W 3 3 2 6 6 | W 1 5 2 4 6 | W 1 5 2 6 6 | W 3 3 2 6 6 | W 3 3 2 6 6 | W 3 3 2 6 6 | W 2 5 2 6 6 | W 2 4 2 6 6 | W 3 4 2 6 6 | W 2 4 2 6 6 | W 3 3 2 6 6 | W 2 5 2 6 6 | W 2 4 2 6 6 | W 3 3 2 6 6 | W 2 5 2 6 6 | W 2 5 2 6 6 | W 3 3 2 6 6 | W 2 5 2 6 6 | W 2 4 2 6 6 | W 3 3 2 6 6 | W 2 5 2 6 6 | W 2 4 2 6 6 | W 3 3 2 6 6 | W 2 5 2 6 6 | W 2 5 2 6 6 | W 3 3 2 6 6 | W 2 5 2 6 6 | W 2 5 2 6 6 | W 3 3 2 6 6 | W 2 5 2 6 6 | W 2 5 2 6 6 | W 3 3 2 6 6 | W 2 5 2 6 6 | W 2 5 2 6 6 |

### TPE CLASSIFICATION TO EN 12365 2003

<table>
<thead>
<tr>
<th>DX1383 (LT1383)</th>
<th>DX1432 (LT1432)</th>
<th>DX1452 (LT1452)</th>
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<tbody>
<tr>
<td>W 2 4 5 5 4</td>
<td>W 3 4 2 4 3</td>
<td>W 2 3 2 3 2</td>
</tr>
<tr>
<td>DX1383 (LT1383)</td>
<td>DX1432 (LT1432)</td>
<td>DX1452 (LT1452)</td>
</tr>
</tbody>
</table>
**THE SCHLEGLER PRODUCT RANGE**

**MATERIALS, TECHNOLOGIES AND DESIGNS**

In order to cover all normal applications for windows, doors, shutters and curtain walling, Schlegel offer the widest range of gasket and weatherstripping materials and technologies available.

The principle Schlegel product ranges and technologies are:

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<th><strong>Q-LON POLYURETHANE FOAM WEATHERSEALS</strong></th>
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<tbody>
<tr>
<td>A combination of polyurethane, polypropylene (or polycarbonate) insert and polyethylene liner makes Q-Lon one of the best weatherseals in the World. Suitable for timber, PVC and aluminium windows and doors in compression and sliding applications. Foam seals are growing in popularity with their enhanced thermal and acoustic properties and their ability to maintain performance levels throughout a long service life.</td>
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<tr>
<th><strong>FOAM-TITE TPV FOAM WEATHERSEALS</strong></th>
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<tr>
<td>As an extruded foam seal, with an effectively closed cell structure, Foam-Tite offers a wide range of flexible configurations for the profile designer. Primarily for PVC and aluminium framed products, bulb, hollow and leaf shaped seals are all possible. Again, the foam nature of the seals means enhanced performance over a longer service life.</td>
</tr>
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<tr>
<th><strong>BRUSH PILE POLYPROPYLENE SEALS</strong></th>
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<tr>
<td>Primarily for sliding applications, pile weatherseals are produced in a number of formats to suit varying performance and application requirements.</td>
</tr>
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<table>
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<tr>
<th><strong>TPE AND FOAMED TPE EXTRUDED SEALS</strong></th>
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<tbody>
<tr>
<td>Extruded weatherseals designed to meet specific needs for timber, PVC and aluminium framed windows and doors. Products can include variable hardness and foam TPE elements to deliver superior performance.</td>
</tr>
</tbody>
</table>

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<tr>
<th><strong>SOFT PVC EXTRUDED SEALS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Extruded profile to meet different kind of application. Products can include variable hardness elements to deliver superior performance.</td>
</tr>
</tbody>
</table>
SELECTING A SEAL
MATERIAL AND DESIGN

The selection of a suitable seal product is dependent in the performance characteristics required for the door, window, rooflight, shutter or curtain walling in the application for which it has been designed.

A great deal of guidance can be gained from the classification under EN 12365-1 2003, which should always be checked. For thermal conductivity of the seal as an element of the overall construction of the window or door, reference can be made to Table 1 of EN 12524 2000 or, as previously stated, by direct calculation.

SCHLEGL CAN OFFER ALL PRODUCT DESIGN, MANUFACTURING AND INSTALLATION TEAMS SUPPORT IN THE SPECIFICATION AND SUPPLY OF A SEAL...
...to meet their specific application requirements, and to support compliance with the required product standards.

QUALITY PRODUCTS

Schlegelgiesse has an unrivalled reputation for high quality, service and technical innovation, establishing it as a World leader in the manufacture of seals, weatherstrips, gaskets and extrusions.

All our products are manufactured to meet the requirements of current and proposed British, European and International Standards and are manufactured using a Quality Management System registered and certified to BS EN ISO 9001:2015 Quality Systems. European standards require each windows and doors to be tested in all its components with a view to constant functional quality regardless of the type of product and the profile on which this is applied. Each component is subjected to internal testing to verify its actual performance level or directly certified by institutes authorised to the highest levels required by the regulations (i.e. IFT Z-CERT QM338). The auditors of these Institutes perform a periodic review of the effectiveness of the production plant control in order to ensure continual quality improvement.

All the raw materials (polypropylene, TPE, PVC, polyurethane, etc) receives chemical composition controls that guarantee constant performance as requested by the reference standards.
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 CE 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?
Within table 3 of EN ISO 10456 2007, polyurethane foam weather seals are detailed, with a linear thermal transmittance of 0.05 W/(m·K). This should be the value used for Q-Lon seals within window and doorset 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 0.14 W/(m·K)
- PU 0.05 W/(m·K)

In accordance with EN12667 (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 0.041 W/(m·K). This is better than any other weather seal available in the market.

Compared to other seals, the loss of energy is reduced to the minimum. In combination with an excellent high compression recovery (on average higher than 90%) a high performance is also guaranteed over the long term.
OTHER RELEVANT STANDARDS

There are a number of other European Standards that cover more general requirements of windows and doors as a whole in specific areas of performance. These should be referred to separately.

EN 12207 2000 – Air Permeability
EN 12208 2000 – Water Tightness
EN 12567 2000 – Thermal Conductivity
EN 13115 2001 – Operating Forces
EN ISO 10140-2 – Acoustic Performance

GLOSSARY OF TERMS (RELATING TO EN 12365 2003)

Deflection Recovery – the ability of the gasket or weatherstripping to recover its free height after compression or deflection.
Free Height – height of the gasket or weatherstripping at zero load.
Gasket – packing material firmly held between contact surfaces on two components whose joint is to be sealed.
Linear Compression Force – force needed to deflect a specimen to its maximum working range, at a temperature of 23°C ± 2°C.
Maximum Working Temperature – condition below which the gasket or weatherstripping is considered to be capable of performing.
Minimum Width – the minimum width of a gasket is the sum of the gaps between the infilling and the frame or bead, each side. The minimum width of weatherstripping is the distance between a point relating to the mounting surface and a point of the contact surface.
Product – building product such as a door or a window.
Sample – complete batch of test material (profile), as supplied by the manufacturer, and from which the test pieces shall be cut.
Specimen – one or more test pieces mounted ready to be placed in the test apparatus, so as to be tested as one unit.
Test Pieces – lengths of material cut at random from various places within the sample to provide test specimens.
User – person who is supplied with the gaskets or weatherstripping for use in the product.
Weatherstripping – strip, often of flexible material, attached to a door, window or shutter, to cover the space between the edge or bottom of the door, window or shutter and the frame or threshold.
Working Range – distance through which a gasket or weatherstripping can be compressed or deflected when used in any particular product.
## BRUSH PILE SEALS AND SEALING PROFILES:
FOR ALUMINIUM, PVC AND TIMBER APPLICATIONS

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BRUSH PILE SEALS:
EFFECTIVE FLEXIBLE SEALING

SchlegelGiesse are known for providing high quality GIESSE and ERA hardware and SCHLEGEL sealing products for all types of windows and doors on the residential, commercial and industrial fronts. We have a long history of manufacturing an extensive range of woven brush pile seals and extruded sealing profiles with brush pile for application in the fenestration industry, window covering business, interior design and other areas. Pile fibres move independently and are flexible, they seal perfectly against moving elements and also uneven surfaces.

Early in the previous century, pile weather strips were developed for use in revolving doors. The first types were made from wool with a cotton backing (so-called wool pile). In recent years, demands regarding draught proofing and durability in the building industry have increased, and the products developed accordingly.

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

- Available in many different widths and heights
- Reinforced woven backing, extruded base for optimal ease of insertion or carrier profile
- With optional adhesive backing based on hot-melt (HM) glue technology
- PP yarn treated with silicone to resist water, mould and mildew
- Different densities depending on seal type, width and mounting distance
- Standard soft multifilament yarn in many different colours
- Untreated monofilament yarn for increased stiffness
- Heat set for recovery after compression
- UV stable and chemically inert
- Excellent resistance to abrasion and static build-up and low friction for improved sliding performance
- Optional central or lateral fins for additional draught proofing

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 norm ISO 9001:2015 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 draught excluder for you. Please contact us for any further information or specific requirements.

Tested and certified by:

Trilobal PP-yarn
# BRUSH PILE SEALS AND SEALING PROFILES: COLOUR RANGE

Schlegel brush pile seals are made from virgin polypropylene (PP) yarn.

Brown, white and black (multifilament only) are the main standard colours:

<table>
<thead>
<tr>
<th>≈ RAL</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>1011</td>
<td>Beige</td>
</tr>
<tr>
<td>1032</td>
<td>Dark Gold</td>
</tr>
<tr>
<td>7045</td>
<td>Grey</td>
</tr>
<tr>
<td>8025</td>
<td>Pale Brown</td>
</tr>
<tr>
<td>8028</td>
<td>Brown</td>
</tr>
<tr>
<td>9003</td>
<td>White</td>
</tr>
<tr>
<td>9005</td>
<td>Black</td>
</tr>
</tbody>
</table>

Grey, black and natural (monofilament only) are the main standard colours:

<table>
<thead>
<tr>
<th>≈ RAL</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>7045</td>
<td>Grey</td>
</tr>
<tr>
<td>9005</td>
<td>Black</td>
</tr>
<tr>
<td>-</td>
<td>Natural</td>
</tr>
</tbody>
</table>

This colours as listed below are subject to availability and can be offered upon request. Depending on the configuration, special conditions for minimum order quantities, lead time, packaging and price may apply.

Multifilament pile and yarn colours for NON standard colours:

<table>
<thead>
<tr>
<th>≈ RAL</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>1015</td>
<td>Ivory</td>
</tr>
<tr>
<td>7011</td>
<td>Iron Grey</td>
</tr>
<tr>
<td>8008</td>
<td>Dark Beige</td>
</tr>
<tr>
<td>8014</td>
<td>Sepia Brown</td>
</tr>
<tr>
<td>Product Application Area</td>
<td>Sliding Window</td>
</tr>
<tr>
<td>--------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>WOVEN BASE</td>
<td></td>
</tr>
<tr>
<td>Poly-Bond</td>
<td>x</td>
</tr>
<tr>
<td>Fin-Seal</td>
<td>x</td>
</tr>
<tr>
<td>EXTRUDED BASE</td>
<td></td>
</tr>
<tr>
<td>Power-Pile</td>
<td>x</td>
</tr>
<tr>
<td>Fin-Pile</td>
<td>x</td>
</tr>
<tr>
<td>G3</td>
<td>x</td>
</tr>
<tr>
<td>Bi-Fin</td>
<td>x</td>
</tr>
<tr>
<td>SPECIALS</td>
<td></td>
</tr>
<tr>
<td>Angle-Pile</td>
<td>–</td>
</tr>
<tr>
<td>Dust-Plug</td>
<td>x</td>
</tr>
<tr>
<td>Shutter-Pile</td>
<td>–</td>
</tr>
<tr>
<td>Skirting Fringe</td>
<td>x</td>
</tr>
<tr>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>
### Brush Pile and Backing Characteristics and Options

<table>
<thead>
<tr>
<th>Angle</th>
<th>Filament Type</th>
<th>Density</th>
<th>Hotmelt Adh. Back</th>
<th>Fin Position</th>
<th>Fin Height</th>
<th>Optimised for Auto Insertion</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>90°</td>
<td>Multi</td>
<td>4P</td>
<td>Option</td>
<td></td>
<td>–</td>
<td>–</td>
<td>20</td>
</tr>
<tr>
<td>90°</td>
<td>Multi</td>
<td>4P</td>
<td>Option</td>
<td>Centre</td>
<td>0 / 1</td>
<td>–</td>
<td>21</td>
</tr>
<tr>
<td>90°</td>
<td>Multi</td>
<td>4P</td>
<td>–</td>
<td>Centre</td>
<td>0</td>
<td>x</td>
<td>22</td>
</tr>
<tr>
<td>90°</td>
<td>Multi</td>
<td>4P</td>
<td>–</td>
<td>Centre</td>
<td>0 / 1</td>
<td>x</td>
<td>23</td>
</tr>
<tr>
<td>90°</td>
<td>Multi</td>
<td>SD/HD</td>
<td>–</td>
<td>Centre</td>
<td>0 / 1</td>
<td>x</td>
<td>24</td>
</tr>
<tr>
<td>90°</td>
<td>Multi</td>
<td>4P</td>
<td>–</td>
<td>Lateral</td>
<td>0</td>
<td>x</td>
<td>25</td>
</tr>
<tr>
<td>45° / 60°</td>
<td>Mono</td>
<td>24</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>x</td>
<td>26</td>
</tr>
<tr>
<td>90°</td>
<td>Multi / Mix</td>
<td>8P – 76P</td>
<td>Option</td>
<td>Option</td>
<td>Option</td>
<td>–</td>
<td>27</td>
</tr>
<tr>
<td>90°</td>
<td>Mono and Multi</td>
<td>2P / 3P</td>
<td>Option</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>28</td>
</tr>
<tr>
<td>90°</td>
<td>Mono</td>
<td>24</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>x</td>
<td>29</td>
</tr>
<tr>
<td>90°</td>
<td>Multi</td>
<td>4P</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>x</td>
<td>29</td>
</tr>
</tbody>
</table>

For more details and options see the rest of this catalogue, consult www.schlegelgiesse.com.
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.

Recommended compression:
• Brush pile height from 3.0 to 5.0 mm: 5% to 10%
• Brush pile height from 5.5 to 6.5 mm: 10% to 20%

<table>
<thead>
<tr>
<th>Multifilament pile yarn colours (≈ RAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1011 Beige</td>
</tr>
<tr>
<td>1032 Dark gold</td>
</tr>
<tr>
<td>7045 Grey</td>
</tr>
<tr>
<td>8025 Pale brown</td>
</tr>
<tr>
<td>8028 Brown</td>
</tr>
<tr>
<td>9003 White</td>
</tr>
<tr>
<td>9005 Black</td>
</tr>
</tbody>
</table>

*With optional hot-melt adhesive (HM) • Note: total height will increase up to 0.5 mm if hot-melt requested
FIN-SEAL (FS): WOVEN BRUSH PILE SEALS

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

**Recommended compression:**
- Brush pile height from 3.0 to 5.0 mm: 5% to 10%.
  Fin should be plus 1 mm
- Brush pile height from 5.5 to 6.5 mm: 10% to 20%.
  Fin either level or plus 1 mm
- Brush pile height from 7.0 mm to 11 mm: 15% to 25%.
  Fin either level or plus 1 mm
- Brush pile height from 12.0 and above: 15% to 25%.
  Level Fin only

Minimum clearance recommended: +0.5 mm of backing width chosen

**Multifilament pile yarn colours (= RAL):**

<table>
<thead>
<tr>
<th>Beige</th>
<th>Dark gold</th>
<th>Grey</th>
<th>Pale brown</th>
<th>Brown</th>
<th>White</th>
<th>Black</th>
</tr>
</thead>
<tbody>
<tr>
<td>1011</td>
<td>1032</td>
<td>7045</td>
<td>8025</td>
<td>8028</td>
<td>9003</td>
<td>9005</td>
</tr>
</tbody>
</table>

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

**With optional quiet black non-woven (NW) fin**
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.

Recommended compression:
• Brush pile height from 5.0 to 25 mm: 10% to 20%.

<table>
<thead>
<tr>
<th>A Backing width*</th>
<th>B Backing thickness</th>
<th>C Directors width</th>
<th>D Directors height</th>
<th>E Brush height</th>
<th>F Brush density (P) in 1 line</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,8 ± 0,2 mm</td>
<td>0,65 ± 0,1 mm</td>
<td>2,5 ± 0,3 mm</td>
<td>2,4 ± 0,3 mm</td>
<td>5,0 ≤ H ≤ 8,0 mm (+0,50/-0,50 mm) with 0,50 mm intervals</td>
<td>4P</td>
</tr>
<tr>
<td>6,7 ± 0,2 mm</td>
<td></td>
<td></td>
<td></td>
<td>8,0 &lt; H ≤ 25,0 mm (+0,50/-0,50 mm) with 1,0 mm intervals</td>
<td></td>
</tr>
<tr>
<td>6,9 ± 0,2 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Multifilament pile yarn colours (= RAL)

- Beige (1011)
- Dark gold (1032)
- Grey (7045)
- Pale brown (8025)
- Brown (8028)
- White (9003)
- Black (9005)

*With optional hot-melt adhesive (HM) • Note: total height will increase up to 0,5 mm if hot-melt requested
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 clear centre fin keep brush visually intact while providing improved weather sealing for sliding windows and doors. Optional adhesive backing.

**Recommended compression:**
- Brush pile height from 5.5 to 6.5 mm: 10% to 20%.
  - Level fin only
- Brush pile height from 7.0 mm and above: 15% to 25%

---

**TECHNICAL SPECIFICATION**

**STANDARD SOLUTIONS**

<table>
<thead>
<tr>
<th>A Backing width*</th>
<th>B Base thickness</th>
<th>C Directors width</th>
<th>D Directors height</th>
<th>E Brush height</th>
<th>G Fin height** (≥ 5 mm)</th>
<th>F Brush density (P) in 2 lines with centre fins</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,8 ± 0,2 mm</td>
<td>6,7 ± 0,2 mm</td>
<td>6,9 ± 0,2 mm</td>
<td>0,65 ± 0,1 mm</td>
<td>2,6 ± 0,3 mm</td>
<td>2,4 ± 0,3 mm</td>
<td>5 &lt;= H &lt;= 8 mm (+0,50/-0,50 mm with 0,50 mm intervals)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5 &lt;= H &lt;= 8 mm</td>
<td>H &lt;= 20 mm (+0,50/-0,50 mm with 1 mm intervals)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5 &lt;= H &lt;= 8 mm</td>
<td>Level only (+0,50/-0,50 mm)</td>
<td></td>
</tr>
<tr>
<td>5 &lt;= H &lt;= 8 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4P</td>
</tr>
</tbody>
</table>

**Multifilament pile yarn colours (= RAL)**

<table>
<thead>
<tr>
<th>Multifilament pile yarn colours (= RAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1011 Beige</td>
</tr>
<tr>
<td>1032 Dark gold</td>
</tr>
<tr>
<td>7045 Grey</td>
</tr>
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</tr>
<tr>
<td>8028 Brown</td>
</tr>
<tr>
<td>9003 White</td>
</tr>
<tr>
<td>9005 Black</td>
</tr>
</tbody>
</table>

*With optional hot-melt adhesive (HM) • Note: total height will increase up to 0,5 mm if hot-melt requested
**With optional quiet black non-woven (NW) fin
Soft silicone treated multifilament yarn on an extruded base. Guaranteed on centre pile, more suitable for machine insertion.
With clear centre fin for improved weather sealing of sliding windows and doors. Optional adhesive backing.

**Recommended compression:**
- Brush pile height from 4.0 to 5.0 mm: 5% to 10%. Fin should be plus 1 mm
- Brush pile height from 5.5 to 6.5 mm: 10% to 20%. Fin either level or plus 1 mm
- Brush pile height from 7.0 mm to 11 mm: 15% to 25%. Fin either level or plus 1 mm
- Brush pile height from 12.0 mm and above: 15% to 25% Fin level only

### TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>A Backing width*</th>
<th>B Backing thickness</th>
<th>C Directors width</th>
<th>D Directors height</th>
<th>E Brush height</th>
<th>F Fin height** (± 5 mm)</th>
<th>G Brush density (P)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.8 ± 0.2 mm</td>
<td>0.65 ± 0.1 mm</td>
<td>2.5 ± 0.3 mm</td>
<td>2.3 ± 0.2 mm</td>
<td>4 &lt;= E &lt;= 5 mm (+0.50/-0.50 mm with 0.50 mm intervals)</td>
<td>E+1 mm (+0.50/-0.50 mm)</td>
<td>4P</td>
</tr>
<tr>
<td>6.7 ± 0.2 mm</td>
<td></td>
<td></td>
<td></td>
<td>5.5 &lt;= E &lt;= 8 mm (+0.50/-0.50 mm with 0.50 mm intervals)</td>
<td>Level or E+1 mm (+0.50/-0.50 mm)</td>
<td></td>
</tr>
<tr>
<td>6.9 ± 0.2 mm</td>
<td></td>
<td></td>
<td></td>
<td>8 &lt;= E &lt;= 12 mm (+0.50/-0.50 mm with 1 mm intervals)</td>
<td>Level only (+0.50/-0.50 mm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12 &lt;= E &lt;= 20 mm (+0.50/-0.50 mm with 1 mm intervals)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Multifilament pile yarn colours (RAL)**

- **Beige**
- **Dark gold**
- **Grey**
- **Pale brown**
- **Brown**
- **White**
- **Black**

*With optional hot-melt adhesive (HM) • Note: total height will increase up to 0.5 mm if hot-melt requested
**With optional quiet black non-woven (NW) fin
**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. Clear lateral fin allow for side protection of the yarn and improve weather sealing of sliding applications. Optional adhesive backing.

**Recommended compression:**
- Brush pile height from 5.5 to 6.5 mm: 10% to 20%. Level fin only
- Brush pile height from 7.0 mm and above: 15% to 25%

---

**TECHNICAL SPECIFICATION**

**STANDARD SOLUTIONS**

<table>
<thead>
<tr>
<th>A Base width*</th>
<th>B Base thickness</th>
<th>C Directors width</th>
<th>D Directors height</th>
<th>E Brush height</th>
<th>G Fin height** (≥ 5 mm)</th>
<th>F Brush density (P)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.8 ± 0.2 mm</td>
<td>0.65 ± 0.1 mm</td>
<td>2.6 ± 0.3 mm</td>
<td>2.4 ± 0.3 mm</td>
<td>6 ≤ E ≤ 8 mm</td>
<td>(±0.50/-0.50 mm with 0.50 mm intervals)</td>
<td>4P</td>
</tr>
<tr>
<td>6.7 ± 0.2 mm</td>
<td></td>
<td></td>
<td></td>
<td>8 ≤ E ≤ 20 mm</td>
<td>(±0.50/-0.50 mm with 1 mm intervals)</td>
<td>Level only (+0.50/-0.50 mm)</td>
</tr>
<tr>
<td>6.9 ± 0.2 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4P</td>
</tr>
</tbody>
</table>

**Multifilament pile yarn colours (≈ RAL)**

- Beige 1011
- Dark gold 1032
- Grey 7045
- Pale brown 8025
- Brown 8028
- White 9003
- Black 9005

*With optional hot-melt adhesive (HM) • Note: total height will increase up to 0.5 mm if hot-melt requested
**With optional quiet black non-woven (NW) fin
Untreated monofilament yarn with extruded base. Available in 35°, 45° or 60° angles. Guaranteed on centre pile, 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.

Recommended compression:
• 15-20%

### TECHNICAL SPECIFICATION

#### STANDARD SOLUTIONS

<table>
<thead>
<tr>
<th>D Angles</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>45 ± 5°</td>
<td>4,8 ± 0,2 mm</td>
<td>0,65 ± 0,15 mm</td>
<td>9,0 ≤ C ≤ 12,0 ± 0,5 mm with 0,50 mm intervals</td>
</tr>
<tr>
<td>60 ± 5°</td>
<td>6,9 ± 0,2 mm</td>
<td></td>
<td>12,0 &lt; C ≤ 25,0 ± 0,5 mm with 1,00 mm intervals</td>
</tr>
</tbody>
</table>

**Multifilament pile yarn colours (≈ RAL)**

<table>
<thead>
<tr>
<th></th>
<th>9005</th>
<th>7045</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grey</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natural</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*With optional hot-melt adhesive (HM). Note: total height will increase up to 0,5 mm if hot-melt requested.
**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.

**Recommended compression:**
- Standard (without fins): 15-20%
- Fin level with or lower than pile: 10-15%
- Fin higher than pile: 5-10%

**TECHNICAL SPECIFICATION**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D Brush and optional centre fin height</th>
<th>E Brush density</th>
<th>F=A-C</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Base width</strong></td>
<td><strong>Backing thickness</strong></td>
<td><strong>Pile base width</strong></td>
<td><strong>3 ≤ D ≤ 6,5 mm (+0,25/-0,15 mm with 0,50 mm intervals)</strong></td>
<td><strong>8P - 76P</strong></td>
<td><strong>min 2 mm</strong></td>
</tr>
<tr>
<td>10 ≤ W ≤ 60 ± 0,5 mm with 0,5 mm intervals</td>
<td>0,8 ± 0,15 mm</td>
<td>6 ≤ W ≤ 56 ± 1,0 mm</td>
<td><strong>6,5 ≤ D ≤ 22 mm (+4%-2,5% with 1 mm intervals)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Fin D &gt;5 mm (+0,25/-0,15 mm with 0,50 mm intervals)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Fin Level only (+0,50/-0,50 mm)</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Multifilament pile yarn colours (≈ RAL):**
- 9005: Black
- 7045: Grey
- 9005: Natural

**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.*
BRUSH PILE

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’s typically inserted in T-slots of side guiding channels for sealing of roller shutters and similar products. Optional adhesive backing.

Recommended compression:
• Brush pile height from 3.0 to 15.0 mm: 15% to 20%

TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>A Backing width*</th>
<th>B Backing thickness</th>
<th>C Pile base width</th>
<th>D Brush height</th>
<th>E Brush density (P) in line (L) with monofilament (M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,8 +0,10/-0,15 mm</td>
<td>0,8 ± 0,15 mm</td>
<td>1,6 ± 0,3 mm</td>
<td>3,0 ≤ D ≤ 6,5 mm (+0,25/-0,15 mm) with 0,50 mm intervals</td>
<td>2P1L1M</td>
</tr>
<tr>
<td>6,7 +0,10/-0,20 mm</td>
<td></td>
<td></td>
<td>6,5 &lt; D ≤ 10,0 mm with 0,5 mm intervals (+4%/-2,5% mm)</td>
<td>3P1L1M</td>
</tr>
<tr>
<td>6,9 +0,10/-0,20 mm</td>
<td></td>
<td></td>
<td>10,0 &lt; D ≤ 15,0 mm (+4%/-2,5% mm) with 1,0 mm intervals</td>
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</tr>
</tbody>
</table>

Multifilament pile yarn colours (≈ RAL)
- 9005: Black
- 7045: Grey

Monofilament pile yarn (ø 0.20 mm) colours (≈ RAL)
- 9005: Black
- 9005: Natural

*With optional hot-melt adhesive (HM) • Note: total height will increase up to 0,5 mm if hot-melt requested
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.

Recommended compression:
• 15-20 %

TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>A Base width</th>
<th>B Base height</th>
<th>C Brush height</th>
<th>Monofilament density</th>
</tr>
</thead>
<tbody>
<tr>
<td>Square 2,7 ± 0,15 mm</td>
<td>2,7 (+0,15 / -0,35)</td>
<td>5,0 ≤ C ≤ 30,0 ± 0,5 mm with 1,0 mm intervals</td>
<td>24</td>
</tr>
<tr>
<td>Square 2,9 ± 0,15 mm</td>
<td>2,9 (+0,15 / -0,35)</td>
<td></td>
<td>Monofilament pile yarn colours (= RAL)</td>
</tr>
<tr>
<td>Square 3,1 ± 0,15 mm</td>
<td>3,1 (+0,15 / -0,35)</td>
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<td>9005</td>
</tr>
<tr>
<td>Square 3,3 ± 0,15 mm</td>
<td>3,3 (+0,15 / -0,35)</td>
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<td>Black</td>
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<tr>
<td>Round 2,7 ± 0,15 mm</td>
<td>2,7 (+0,15 / -0,35)</td>
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<td>Natural</td>
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<tr>
<td>Round 2,9 ± 0,15 mm</td>
<td>2,9 (+0,15 / -0,35)</td>
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<td>Multifilament density (P)</td>
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<tr>
<td>Round 3,1 ± 0,15 mm</td>
<td>3,1 (+0,15 / -0,35)</td>
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<td>4P</td>
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<tr>
<td>Round 3,3 ± 0,15 mm</td>
<td>3,3 (+0,15 / -0,35)</td>
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<td>Multifilament pile yarn colours (= RAL)</td>
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<tr>
<td></td>
<td>5,0 ≤ C ≤ 30,0 ± 0,5 mm with 1,0 mm intervals</td>
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<td>9005</td>
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<td>7045</td>
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<td>Grey</td>
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</tbody>
</table>
COMBINATION
BRUSH PILE
SEALS

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

FOR UNIVERSAL SURFACE FITTING

PB = Poly-Bond brush pile seals on extruded ABS, PP or PVC carrier

PB 1175 (DX 1175)
DOOR BRUSH SEAL

Seal gap: 8,0 - 15,0
Packaging: 50 m x 4

PB 1444 (DX 1444)
DOOR BRUSH SEAL

Seal gap: 11,0 - 23,0
Packaging: 50 m x 4
50 m x 3
45 m x 3

PB 6726 (EX 6726)
ANGLED DOOR AND WINDOW BRUSH SEAL

Packaging: 2,03 m x 100

PB 6723 (EX 6723)
ANGLED DOOR AND WINDOW BRUSH SEAL

Packaging: 2,03 m x 100
FOR KERF-SLOT FITTING

PB = Poly-Bond brush pile seals on extruded ABS, PP or PVC carrier

PB 1421 (DX 1421)
DOOR BRUSH SEAL

Seal gap: 4,0a - 4,5
Packaging: 2,088 m x 250

PB 7723 (EX 7723)
ANGLED DOOR AND WINDOW BRUSH SEAL

Packaging: 2,05 m x 50

PB 0908 (DX 0908)
DOOR BRUSH SEAL

Groove width: 3,0
Min. groove depth: 10,0
Seal gap: 2,0 - 13,0
Packaging: 2,1 m x 250

PB 1002 (EX 002)
SLIDING TIMBER WINDOW BRUSH SEAL

Groove width: 3,0
Min. groove depth: 6,0
Rebate: 11,8
Seal gap: 4,0 - 15,0
Packaging: 150 m x 1

PB 1003 (EX 003)
SLIDING TIMBER WINDOW BRUSH SEAL

Groove width: 3,0
Min. groove depth: 6,0
Rebate: 7,5
Seal gap: 4,0 - 15,0
Packaging: 100 m x 1

PB 1018 (EX 018)
SLIDING INTERNAL TIMBER DOOR BRUSH SEAL

Groove width: 3,0
Min. groove depth: 7,0
Seal gap: 4,0 - 15,0
Packaging: 200 m x 2
2,1 m x 300

PB 1316 (DX 1316)
AIR VENTILATION BRUSH SEAL

Groove width: 4,0 - 5,0
Min. groove depth: 7,5
Rebate: 12,0
Seal gap: 4,0 - 5,0
Packaging: 30 m x 7

PB 1372 (DX 1372)
BRUSH SEAL (RH)

Groove width: 3,0
Min. groove depth: 7,0
Packaging: 650 m x 1
FOR KERF-SLOT FITTING

PB 1451 (DX 1451)
BRUSH SEAL (LH)

- Groove width: 3,0
- Min. groove depth: 7,0
- Packaging: 650 m x 1

PB 1466 (DX 1466)
DUST FILTER BRUSH SEAL

- Groove width: 3,0
- Min. groove depth: 7,0
- Packaging: 650 m x 1

FOR BRUSH PILE SEALS

LV 3015
L-PROFILE CARRIER
7 X 26 WITH 4,8 BRUSH INSERT

- Groove width: 3,0
- Min. groove depth: 7,0
- Packaging: 2,6 m x 100

LV 3016
L-PROFILE CARRIER
10 X 26 WITH 6,9 BRUSH INSERT

- Groove width: 3,0
- Min. groove depth: 8,0
- Packaging: 1,0 m x 100

LV 5438
KERF-SLOT CARRIER
7 X 7 WITH 4,8 BRUSH INSERT

- Groove width: 3,0
- Min. groove depth: 8,0
- Packaging: 2,2 m x 200

LV 0921
C-CHANNEL
10 X 4 WITH 6,9 BRUSH INSERT

- Groove width: 10,0
- Min. groove depth: 4,0
- Packaging: 50 m x 9

LV 5594
ADHESIVE C-CHANNEL WITH 4,8 BRUSH INSERT

- Groove width: 7,1
- Min. groove depth: 3,5
- Packaging: 2,1 m x 100

LV 5032
KERF-SLOT CARRIER
7 X 9 WITH 4,8 BRUSH INSERT

- Groove width: 4,0
- Min. groove depth: 10,0
- Packaging: 2,1 m x 50

Customer applied fixing – optional adhesive tape
Q-LON POLYURETHANE FOAM SEALS: FOR TIMBER, PVCU AND ALUMINIUM APPLICATIONS FOAM SEAL

Q-Lon Polyurethane Foam Seals: proved and tested for almost 50 years

The classifications of weatherseals to EN 12365 2003

Product performance tables

Q-Lon Polyurethane Foam Seals: colour range

Q-Lon Polyurethane Foam Seals: Testing and results

Q-Lon Polyurethane Foam Seals: overview seal range

For universal surface Fitting Q-Lon Polyurethane Foam Seals: for universal surface fitting

Q-Lon Polyurethane Foam Seals: for timber window and entry door applications

For timber applications

Q-Lon Polyurethane Foam Seals: for PVCu window and door and window covering product applications

Q-Lon Polyurethane Foam Seals: for aluminium window and door and window covering product applications

For aluminium applications

Q-Lon Polyurethane Foam Seals: for interior design; internal door and furniture applications

For interior design

Accessories and Tools: for Q-Lon polyurethane foam seals
Q-LON POLYURETHANE FOAM SEALS: PROVED AND TESTED FOR ALMOST 50 YEARS

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

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

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

- Excellent memory – returns to original shape after long compression
- Stability – low / no stretch gained by rigid insert or glass fibre internal cord
- Easily compressed – low compression forces, unaffected by temperature variance
- Acoustics – outstanding acoustic performance
- Thermal conductivity – unrivalled thermal performance
- Paint and stain proof – properties unaffected by standard paints and stains
- Stabilised – unaffected by rot, fungi, UV-light or ozone
- Colours – white, black, brown, grey and many other options
- Temperatures – wide operating range under extremely cold and warm weather conditions

Independent Testing

Q-Lon has been extensively tested by independently certified test facilities that clearly demonstrate its superior performance over other commonly used seal materials and constructions. In particular, it has been shown that Q-Lon seals retain their properties and performance significantly better over time when, after 10,000 cycles of window and / or door opening and closing, other materials lose their ability to meet the normal operational requirements.

Areas affected include weathering performance, thermal insulation, sound attenuation and air tightness.

A good guide to the performance of weatherseals and gaskets can be found in EN 12365:2003. For a greater insight into this and other performance norms please refer to the Schlegel ‘Guide to Weatherseal Selection & Specification in Europe’.

Tested and certified by:

- Polyurethane (PU) foam core – high durability, superior recovery performance
- Polyethylene (PE) film – weather and UV-resistant
- Glass fibre thread or polypropylene (PP) insert – prevents elongation and shrinkage
- Smooth or embossed exterior, resistant to contamination
- Compatible with cleaning agents
THE CLASSIFICATIONS OF WEATHERSEALS 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.

It is important that evidence is provided and the classification of each seal demonstrated.

A SIX DIGIT SYSTEM IS USED:

<table>
<thead>
<tr>
<th>Category of Use</th>
<th>Working Range</th>
<th>Linear Compression Force</th>
<th>Working Temperature Range</th>
<th>Deflection Recovery</th>
<th>Recovery After Ageing</th>
</tr>
</thead>
<tbody>
<tr>
<td>W = Weatherstrip</td>
<td>G= Gasket</td>
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<tr>
<td>Grades</td>
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<tr>
<td>1: ≤ 1mm</td>
<td>9 grades showing the working range of the seal with 9 being the greatest distance</td>
<td>9 grades showing the linear compression force with 9 being the greatest force</td>
<td>6 grades showing the working temperature range each with different high and low temperatures</td>
<td>8 grades showing deflection recovery with grade 0 indicating no requirement and grade 7 showing the greatest recovery</td>
<td>8 grades showing recovery after ageing with grade 0 indicating no requirement and grade 7 showing the greatest recovery</td>
</tr>
</tbody>
</table>

When assessing the performance requirement, the greater the grade does not always show the best level of performance. So, when comparing categorisations higher scores are usually better but careful analysis is required to ensure that the needs of the particular application are met.

A TYPICAL CLASSIFICATION THEREFORE TAKES THE FORM OF:

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</table>
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. All testing should be carried out by an accredited test facility. The testing facilities at SchlegelGiesse in Hamburg are accredited by ift Rosenheim.

### Q-LON CLASSIFICATION TO EN 12365 2003

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The standard foam colour is natural. The liner is available in the following main colours (bronze for timber applications):

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<tr>
<td>7001</td>
<td>Silver Grey</td>
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<tr>
<td>8019</td>
<td>Brown</td>
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<tr>
<td>9005</td>
<td>Black</td>
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</table>

Other configurations upon request

For further colour coordination, more options are available. Depending on the configuration, special conditions may apply. Upon request the foam can be produced in a different colour.

<table>
<thead>
<tr>
<th>≈ RAL</th>
<th>Colour</th>
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<tbody>
<tr>
<td>1001</td>
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<tr>
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<tr>
<td>8001</td>
<td>Ochre Brown</td>
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<tr>
<td>8007</td>
<td>Fawn Brown</td>
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<tr>
<td>8015</td>
<td>Chestnut Brown</td>
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<tr>
<td>9010</td>
<td>Pure White</td>
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<tr>
<td>7035</td>
<td>Light Grey</td>
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<td>7032</td>
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<tr>
<td>7024</td>
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Q-LON POLYURETHANE FOAM SEALS: TESTING AND RESULTS

Specifically designed for timber windows and entry doors, Q-Lon foam seals combine the best thermal performance along with good soundproofing properties across a wide temperature range. Very low operating forces reduce wear and tear and give ease of operation.

TECHNICAL INFORMATION

<table>
<thead>
<tr>
<th>Tested temperature range</th>
<th>-60 °C to +70 °C - see EN12365 Classification - Reached -60° according to Russian PCT Certification</th>
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</thead>
<tbody>
<tr>
<td>Heat conductivity</td>
<td>0,041 W/mK at 0 °C</td>
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<tr>
<td>Acoustic testing</td>
<td>43 dB at a window IV68 with a centre seal</td>
</tr>
<tr>
<td></td>
<td>45 dB at a window IV76 with centre and overlap seals</td>
</tr>
<tr>
<td>Compatibility</td>
<td>compatible with PVCu, no staining formation in the contact material</td>
</tr>
<tr>
<td>Exterior Liner:</td>
<td>Polyethylene, low friction, UV stable</td>
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<tr>
<td>Melt Index Liner:</td>
<td>Approx. 0,85 g/10 min at 190 °C, 2,16 kg mass – 2,0MI</td>
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<tr>
<td>Thermal Conductivity Liner:</td>
<td>0,33 W/(m·K)</td>
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<tr>
<td>Thermal Conductivity Q-Lon Seal:</td>
<td>0,041 W/(m·K)</td>
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<td>UV Resistance Liner:</td>
<td>8 GJ/m2</td>
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### UNIVERSAL SURFACE FITTING

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### TIMBER ENTRY DOORS

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### PVCu AND ALUMINIUM DOORS

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### OTHER PVCu AND ALUMINIUM APPLICATIONS

**Application Dimensions (mm)**

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</table>

Q-LON
Q-LON POLYURETHANE FOAM SEALS:
FOR UNIVERSAL SURFACE FITTING

• Universal – direct application on a flat surface
• Fixing with pre-applied adhesive tape
• Alternatively it can be fixed with adhesive tape, hot melt glue or staples
• Available colours: white, black, bronze and grey. Other colours available on request

FOR UNIVERSAL SURFACE FITTING

QL 3042 (AQ 6150) UNTAPED

Width: 11,2
Height: 6,5
Rebate: 11,0
Seal gap: 3,0 - 5,5
Packaging: 400 m x 2

QL 3059 UNTAPED

Width: 10,8
Height: 8,7
Rebate: 11,0
Seal gap: 3,0 - 5,5
Packaging: 300 m x 2
QL 3061
UNTAPED

Width: 15,0
Height: 7,0
Rebate: 12,0
Seal gap: 2,0 - 6,0
Packaging: 250 m x 2 / 500 m x 2

W33266

QL 1032
TAPED

Width: 12,0
Height: 11,0
Rebate: 8,0
Seal gap: 3,0 - 5,5
Packaging: 400 m x 2

W25276

QL 3116
TAPED

Width: 10,8
Height: 8,7
Rebate: 11,0
Seal gap: 3,0 - 5,5
Packaging: 300 m x 2

W34266

QL 3121
TAPED

Width: 15,0
Height: 12,0
Rebate: 15,0
Seal gap: 5,0 - 10,0
Packaging: 225 m x 2

W32266

QL 3124
TAPED

Width: 6,4
Height: 3,7
Rebate: 6,0
Seal gap: 2,5 - 3,5
Packaging: 1000 m x 2

W16276

QL 1026
TAPED

Width: 12,0
Height: 4,0
Rebate: 12,0
Seal gap: 1,0 - 3,0
Packaging: 250 m x 2 / 500 m x 2

W26276

QL 3015 (AQ 122)
TAPED

Width: 8,0
Height: 5,0
Rebate: 8,0
Seal gap: 2,5 - 4,0
Packaging: 500 m x 2

W26276

QL 3117
TAPED

Width: 11,2
Height: 6,5
Rebate: 11,0
Seal gap: 3,0 - 5,5
Packaging: 400 m x 2

W23266

QL 3122
TAPED

Width: 7,0
Height: 2,2
Rebate: 7,0
Seal gap: 0,5 - 2,0
Packaging: 200 m x 2

W17276

QL 3126
TAPED

Width: 10,0
Height: 3,0
Rebate: 10,0
Seal gap: 1,0 - 2,5
Packaging: 700 m x 2

W17276
Q-LON POLYURETHANE FOAM SEALS:
FOR TIMBER WINDOW AND ENTRY DOOR APPLICATIONS

- Efficient processing – right from the coil, no waste
- Suitable for automatic insertion or fixing
- Compatible with all paints and glazing, including acrylic paints
- Available colours: white, black, bronze and grey.

Other colours available on request
FOR TIMBER APPLICATIONS

1. Suitable for overlap seal
2. Suitable for frame seal
3. Suitable for sash seal

QL 3004 (AQ 99)
WINDOWS

Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 10.5
Seal gap: 3.0 - 5.0
Packaging: 350 m x 2

QL 3005 (AQ 63)
WINDOWS

Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 8.0
Seal gap: 3.4 - 5.4
Packaging: 300 m x 2

QL 3006 (AQ 89)
WINDOWS

Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 13.0
Seal gap: 5.0 - 13.0
Packaging: 2.1 m x 150

QL 3009 (AQ 21)
ENTRY DOORS / WINDOWS

Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 11.0
Seal gap: 4.0 - 7.5
Packaging: 250 m x 2
FOR TIMBER APPLICATIONS

C Suitable for centre seal  S Suitable for overlap seal  F Suitable for frame seal  O Suitable for sash seal

QL 3011 (AQ 109) WINDOWS
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 10.0
Seal gap: 3.5 - 5.5
Packaging: 250 m x 2

QL 3012 (AQ 33) WINDOWS
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 11.0
Seal gap: 4.0 - 6.5
Packaging: 200 m x 2

QL 3013 (AQ 48) WINDOWS
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 8.0
Seal gap: 2.0 - 3.0
Packaging: 500 m x 2

QL 3020 (AQ 120) ENTRY DOORS
Groove width: 2.7 - 3.0
Min. groove depth: 7.0
Rebate: 13.0
Seal gap: 3.5 - 7.5
Packaging: 125 m x 2

QL 3025 WINDOWS
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 10.5
Seal gap: 3.0 - 5.0
Packaging: 350 m x 2

QL 3034 WINDOWS
Groove width: 2.7 - 3.0
Min. groove depth: 8.0
Rebate: 8.5
Seal gap: 0.0 - 1.5
Packaging: 400 m x 2

QL 3037 (AQ 4846) WINDOWS
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 10.0
Seal gap: 2.5 - 5.6
Packaging: 200 m x 2

QL 3038 ENTRY DOORS / WINDOWS
Groove width: 4.0 - 5.0
Min. groove depth: 7.5
Rebate: 12.0
Seal gap: 4.5 - 6.0
Packaging: 200 m x 2

QL 3054 WINDOWS
Groove width: 2.8 - 3.2
Min. groove depth: 5.5
Rebate: 10.0
Seal gap: 4.0 - 6.0
Packaging: 250 m x 2

QL 3056 WINDOWS
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 9.0
Seal gap: 4.0 - 7.5
Packaging: 300 m x 2

QL 3051 (AQ 109) WINDOWS
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 10.0
Seal gap: 3.5 - 5.5
Packaging: 250 m x 2

QL 3052 ENTRY DOORS
Groove width: 2.7 - 3.0
Min. groove depth: 7.0
Rebate: 13.0
Seal gap: 3.5 - 7.5
Packaging: 125 m x 2

QL 3053 ENTRY DOORS / WINDOWS
Groove width: 4.0 - 5.0
Min. groove depth: 7.5
Rebate: 12.0
Seal gap: 4.5 - 6.0
Packaging: 200 m x 2

QL 3054 WINDOWS
Groove width: 2.8 - 3.2
Min. groove depth: 5.5
Rebate: 10.0
Seal gap: 4.0 - 6.0
Packaging: 250 m x 2

QL 3056 WINDOWS
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 9.0
Seal gap: 4.0 - 7.5
Packaging: 300 m x 2

QL 3051 (AQ 109) WINDOWS
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 10.0
Seal gap: 3.5 - 5.5
Packaging: 250 m x 2

QL 3052 ENTRY DOORS
Groove width: 2.7 - 3.0
Min. groove depth: 7.0
Rebate: 13.0
Seal gap: 3.5 - 7.5
Packaging: 125 m x 2

QL 3053 ENTRY DOORS / WINDOWS
Groove width: 4.0 - 5.0
Min. groove depth: 7.5
Rebate: 12.0
Seal gap: 4.5 - 6.0
Packaging: 200 m x 2

QL 3054 WINDOWS
Groove width: 2.8 - 3.2
Min. groove depth: 5.5
Rebate: 10.0
Seal gap: 4.0 - 6.0
Packaging: 250 m x 2

QL 3056 WINDOWS
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 9.0
Seal gap: 4.0 - 7.5
Packaging: 300 m x 2

QL 3051 (AQ 109) WINDOWS
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 10.0
Seal gap: 3.5 - 5.5
Packaging: 250 m x 2

QL 3052 ENTRY DOORS
Groove width: 2.7 - 3.0
Min. groove depth: 7.0
Rebate: 13.0
Seal gap: 3.5 - 7.5
Packaging: 125 m x 2

QL 3053 ENTRY DOORS / WINDOWS
Groove width: 4.0 - 5.0
Min. groove depth: 7.5
Rebate: 12.0
Seal gap: 4.5 - 6.0
Packaging: 200 m x 2

QL 3054 WINDOWS
Groove width: 2.8 - 3.2
Min. groove depth: 5.5
Rebate: 10.0
Seal gap: 4.0 - 6.0
Packaging: 250 m x 2

QL 3056 WINDOWS
Groove width: 2.7 - 3.0
Min. groove depth: 6.0
Rebate: 9.0
Seal gap: 4.0 - 7.5
Packaging: 300 m x 2
QL 3063 WINDOWS

Groove width: 4,0 - 5,0
Min. groove depth: 7,5
Rebate: 12,0
Seal gap: 5,5 - 7,5
Packaging: 200 m x 2

W36266

QL 3068 WINDOWS

Groove width: 3,4 - 4,2
Min. groove depth: 6,5
Rebate: 11,0
Seal gap: 4,5 - 6,5
Packaging: 200 m x 2

W35275

QL 3072 WINDOWS

Groove width: 2,7 - 3,2
Min. groove depth: 6,5
Rebate: 10,0
Seal gap: 3,5 - 5,5
Packaging: 300 m x 2

W24265

QL 3074 WINDOWS

Groove width: 2,7 - 3,2
Min. groove depth: 6,5
Rebate: 8,5
Seal gap: 3,5 - 5,5
Packaging: 300 m x 2

W26276

QL 3077 WINDOWS

Groove width: 2,7 - 3,0
Min. groove depth: 6,0
Rebate: 8,0
Seal gap: 2,0 - 3,0
Packaging: 500 m x 2

W62276

QL 3078 ENTRY DOORS

Groove width: 3,0 - 3,3
Min. groove depth: 6,0
Rebate: 10,0
Seal gap: 4,0 - 7,5
Packaging: 250 m x 2

W33266

QL 3067 (AQ 5104) WINDOWS

Groove width: 4,0 - 5,0
Min. groove depth: 7,5
Rebate: 12,0
Seal gap: 4,0 - 6,0
Packaging: 200 m x 2

W25266

QL 3073 ENTRY DOORS

Groove width: 4,0 - 5,0
Min. groove depth: 7,5
Rebate: 13,0
Seal gap: 5,0 - 8,0
Packaging: 150 m x 2

W344275

QL 3079 WINDOWS

Groove width: 3,0 - 3,5
Min. groove depth: 6,0
Rebate: 10,0
Seal gap: 3,0 - 6,0
Packaging: 250 m x 2

W34266
QL 3101
ENTRY DOORS
Groove width: 2.7 - 3.2
Min. groove depth: 7.0
Rebate: 13.0
Seal gap: 3.5 - 6.0
Packaging: 200 m x 2
W35276

QL 3104
ENTRY DOORS
Groove width: 4.0 - 5.0
Min. groove depth: 7.5
Rebate: 12.0
Seal gap: 5.0 - 9.0
Packaging: 200 m x 2
W44275

QL 3111
ENTRY DOORS
Groove width: 3.5 - 4.0
Min. groove depth: 7.5
Rebate: 12.0
Seal gap: 5.0 - 9.0
Packaging: 200 m x 2
W35256

QL 3128
ENTRY DOORS
Groove width: 2.7 - 3.0
Min. groove depth: 7.0
Rebate: 9.0
Seal gap: 4.0 - 7.5
Packaging: 300 m x 2
W32265

QL 3136
ENTRY DOORS
Groove width: 2.7 - 3.2
Min. groove depth: 6.5
Rebate: 11.5
Seal gap: 4.0 - 6.5
Packaging: 200 m x 2
W62276

QL 3102
ENTRY DOORS
Groove width: 3.7 - 4.2
Min. groove depth: 7.0
Rebate: 11.0
Seal gap: 5.0 - 7.5
Packaging: 200 m x 2
W33266

QL 3109
ENTRY DOORS
Groove width: 4.0 - 5.0
Min. groove depth: 7.0
Rebate: 18.0
Seal gap: 5.0 - 9.0
Packaging: 100 m x 2
W32265

QL 3118
ENTRY DOORS
Groove width: 3.0 - 3.3
Min. groove depth: 7.0
Rebate: 9.0
Seal gap: 3.0 - 7.5
Packaging: 300 m x 2
W31276

QL 3111
ENTRY DOORS
Groove width: 3.0 - 3.3
Min. groove depth: 7.0
Rebate: 9.0
Seal gap: 3.0 - 7.5
Packaging: 300 m x 2
W31276

QL 3131
ENTRY DOORS
Groove width: 2.7 - 3.0
Min. groove depth: 8.0
Rebate: 8.0
Seal gap: 0.0 - 1.5
Packaging: 400 m x 2
W25266

QL 3139
ENTRY DOORS
Groove width: 3.0 - 3.3
Min. groove depth: 7.0
Rebate: 9.0
Seal gap: 3.0 - 7.5
Packaging: 300 m x 2
W31276
FOR TIMBER APPLICATIONS

QL 3140
WINDOWS
Groove width: 4,0 - 5,0
Min. groove depth: 7,5
Rebate: 15,0
Seal gap: 4,0 - 6,5
Packaging: 200 m x 2

QL 3141
WINDOWS
Groove width: 2,7 - 3,2
Min. groove depth: 5,5
Rebate: 10,0
Seal gap: 4,0 - 6,5
Packaging: 300 m x 2

QL 3143
WINDOWS
Groove width: 2,7 - 3,0
Min. groove depth: 6,0
Rebate: 10,5
Seal gap: 3,0 - 5,0
Packaging: 350 m x 2

QL 3147
WINDOWS
Groove width: 3,0 - 3,5
Min. groove depth: 6,0
Rebate: 11,0
Seal gap: 2,4 - 3,8
Packaging: 250 m x 2

QL 3150
Groove width: 3,0
Min. groove depth: 6,5
Rebate: 12,0
Seal gap: 3,5 - 6,0
Packaging: 200 m x 2

QL 3152
Groove width: 3,0
Min. groove depth: 6,5
Rebate: 14/15
Seal gap: 3,5 - 6,0
Packaging: 150 m x 2

QL 5271 (AQ 5271)
WINDOWS
Groove width: 2,7 - 3,0
Min. groove depth: 6,0
Rebate: 11,0
Seal gap: 2,4 - 3,8
Packaging: 250 m x 2

QL 5694 (AQ 5694)
ENTRY DOORS
Groove width: 2,7 - 3,0
Min. groove depth: 6,0
Rebate: 10,0
Seal gap: 6,0 - 11,0
Packaging: 200 m x 2
400 m x 1

QL 5878 (AQ 5878)
WINDOWS
Groove width: 2,7 - 3,0
Min. groove depth: 6,0
Rebate: 10,0
Seal gap: 3,2 - 4,9
Packaging: 250 m x 2

QL 7000
ENTRY DOORS
Groove width: 2,7 - 3,0
Min. groove depth: 6,0
Rebate: 13,0
Seal gap: 4,0 - 10,8
Packaging: 175 m x 2

Suitable for centre seal
Suitable for overlap seal
Suitable for frame seal
Suitable for sash seal
**QL 7066 (AQ 7066)**

**ENTRY DOORS**

- Groove width: 2.7 - 3.0
- Min. groove depth: 6.0
- Rebate: 10.0
- Seal gap: 4.8 - 7.7
- Packaging: 400 m x 2
  800 m x 2

**W33266**

**QL 9608**

- Groove width: 3.0
- Min. groove depth: 6.5
- Rebate: 20.0
- Seal gap: 4.0 - 7.0
- Packaging: 150 m x 2

**W33276**

**QL 9613**

- Groove width: 3.0
- Min. groove depth: 6.5
- Rebate: 18.0
- Seal gap: 4.0 - 7.0
- Packaging: 150 m x 2

**W33276**

**QL 9985**

- Groove width: 2.7 - 3.0
- Min. groove depth: 6.0
- Rebate: 10.0
- Seal gap: 3.0 - 6.5
- Packaging: 250 m x 2

**W35276**

**QL 9985**

- Groove width: 2.7 - 3.0
- Min. groove depth: 6.0
- Rebate: 10.0
- Seal gap: 4.0 - 7.0
Q-LON POLYURETHANE FOAM SEALS:
FOR PVCu WINDOW AND DOOR AND WINDOW COVERING PRODUCT APPLICATIONS

- Quick processing without corner cutting
- Not siliconised, neutral smell and no discolouration
- Low closing forces – low friction
- Available colours: white, black and grey. Other colours available on request

The variety of flexible shapes and different colours makes these Q-Lon profiles particularly suited for sealing applications in window covering products such as roller shutters and screens. Fitted into PVCu profiles, Q-Lon polyurethane foam seals generate noise dampening effects and help to minimise light and air leaks.
FOR PVCu APPLICATIONS

QL 4465
DOORS / WINDOWS
POCKET-SLOT

Throat width: 4,2
Min. groove depth: 5,7
Seal gap: 3,0 - 4,8
Packaging: 250 m x 2

W25266

QL 4636
WINDOWS
T-SLOT
TYPE A (5,3 MM)

Retention slot throat: 3,2
Min. slot depth: 2,3
Seal gap: 1,0 - 2,5
Packaging: 300 m x 2

QL 4970
DOORS / WINDOWS
T-SLOT
TYPE A (5,3 MM)

Retention slot throat: 3,2
Min. slot depth: 2,3
Seal gap: 2,5 - 4,0
Packaging: 250 m x 2

W25266

QL 5570
WINDOWS
POCKET-SLOT

Throat width: 3,3
Min. groove depth: 5,5
Seal gap: 3,0 - 4,8
Packaging: 250 m x 2

W24266
FOR PVCu APPLICATIONS

<table>
<thead>
<tr>
<th>QL 5985</th>
<th>WINDOWS</th>
<th>POCKET-SLOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Throat width:</td>
<td>4.0</td>
<td>5.2</td>
</tr>
<tr>
<td>Min. groove depth:</td>
<td>2.3 - 3.6</td>
<td></td>
</tr>
<tr>
<td>Seal gap:</td>
<td>2.0 - 3.0</td>
<td></td>
</tr>
<tr>
<td>Packaging:</td>
<td>250 m x 2</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>QL 6493</th>
<th>WINDOWS</th>
<th>POCKET-SLOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Throat width:</td>
<td>3.6</td>
<td>5.7</td>
</tr>
<tr>
<td>Min. groove depth:</td>
<td>2.0 - 3.0</td>
<td></td>
</tr>
<tr>
<td>Seal gap:</td>
<td>3.0 - 5.0</td>
<td></td>
</tr>
<tr>
<td>Packaging:</td>
<td>300 m x 2</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QL 6571</th>
<th>WINDOWS</th>
<th>POCKET-SLOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Throat width:</td>
<td>3.0</td>
<td>4.9</td>
</tr>
<tr>
<td>Min. groove depth:</td>
<td>3.0 - 5.0</td>
<td></td>
</tr>
<tr>
<td>Seal gap:</td>
<td>2.0 - 3.0</td>
<td></td>
</tr>
<tr>
<td>Packaging:</td>
<td>250 m x 2</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QL 6750</th>
<th>WINDOWS</th>
<th>POCKET-SLOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Throat width:</td>
<td>2.5</td>
<td>4.9</td>
</tr>
<tr>
<td>Min. groove depth:</td>
<td>2.3 - 4.1</td>
<td></td>
</tr>
<tr>
<td>Seal gap:</td>
<td>2.0 - 4.3</td>
<td></td>
</tr>
<tr>
<td>Packaging:</td>
<td>250 m x 2 / 300 m x 2</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QL 6991</th>
<th>WINDOWS</th>
<th>POCKET-SLOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Throat width:</td>
<td>2.4</td>
<td>5.2</td>
</tr>
<tr>
<td>Min. groove depth:</td>
<td>2.5 - 4.1</td>
<td></td>
</tr>
<tr>
<td>Seal gap:</td>
<td>2.7 - 4.4</td>
<td></td>
</tr>
<tr>
<td>Packaging:</td>
<td>250 m x 2</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QL 7032</th>
<th>WINDOWS POCKET-SLOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Throat width:</td>
<td>3.0</td>
</tr>
<tr>
<td>Min. groove depth:</td>
<td>1.5 - 5.1</td>
</tr>
<tr>
<td>Seal gap:</td>
<td>2.5 - 4.1</td>
</tr>
<tr>
<td>Packaging:</td>
<td>200 m x 2 / 400 m x 2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QL 7307</th>
<th>WINDOWS POCKET-SLOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Throat width:</td>
<td>3.2</td>
</tr>
<tr>
<td>Min. groove depth:</td>
<td>2.8 - 4.4</td>
</tr>
<tr>
<td>Seal gap:</td>
<td>2.7 - 4.4</td>
</tr>
<tr>
<td>Packaging:</td>
<td>250 m x 2</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>QL 9005</th>
<th>WINDOWS</th>
<th>POCKET-SLOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Throat width:</td>
<td>2.4</td>
<td>5.2</td>
</tr>
<tr>
<td>Min. groove depth:</td>
<td>2.5 - 4.1</td>
<td></td>
</tr>
<tr>
<td>Seal gap:</td>
<td>2.7 - 4.4</td>
<td></td>
</tr>
<tr>
<td>Packaging:</td>
<td>100 m x 2 / 300 m x 2 / 400 m x 2</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QL 9100</th>
<th>WINDOWS</th>
<th>POCKET-SLOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Throat width:</td>
<td>2.4</td>
<td>5.3</td>
</tr>
<tr>
<td>Min. groove depth:</td>
<td>2.7 - 4.4</td>
<td></td>
</tr>
<tr>
<td>Seal gap:</td>
<td>2.7 - 4.4</td>
<td></td>
</tr>
<tr>
<td>Packaging:</td>
<td>250 m x 2</td>
<td></td>
</tr>
</tbody>
</table>
QL 9112
WINDOWS POCKET-SLOT

Throat width: 3.2
Min. groove depth: 4.8
Seal gap: 3.0 - 4.9
Packaging: 300 m x 2

QL 9154
WINDOWS POCKET-SLOT

Throat width: 3.2
Min. groove depth: 4.7
Seal gap: 2.8 - 4.5
Packaging: 300 m x 2
600 m x 1

QL 9257
DOORS / WINDOWS POCKET-SLOT

Throat width: 3.2
Min. groove depth: 4.4
Seal gap: 4.5 - 7.1
Packaging: 300 m x 2

QL 9489
DOORS / WINDOWS POCKET-SLOT

Throat width: 3.4
Min. groove depth: 4.0
Seal gap: 2.5 - 4.0
Packaging: 250 m x 2

QL 9536
DOORS POCKET-SLOT

Throat width: 3.9
Min. groove depth: 6.3
Seal gap: 4.0 - 8.0
Packaging: 250 m x 2

QL 9596
WINDOWS POCKET-SLOT

Throat width: 3.4
Min. groove depth: 5.2
Seal gap: 2.5 - 4.0
Packaging: 250 m x 2

QL 9646
WINDOWS POCKET-SLOT

Throat width: 3.6
Min. groove depth: 5.1
Seal gap: 3.5 - 5.5
Packaging: 250 m x 2

QL 9688
DOORS / WINDOWS POCKET-SLOT

Throat width: 3.8
Min. groove depth: 3.9
Seal gap: 3.0 - 7.0
Packaging: 400 m x 2

QL 9710
WINDOWS POCKET-SLOT

Throat width: 3.3
Min. groove depth: 5.0
Seal gap: 3.0 - 5.5
Packaging: 300 m x 2

QL 9756
WINDOWS POCKET-SLOT

Throat width: 3.3
Min. groove depth: 5.0
Seal gap: 1.0 - 4.8
Packaging: 300 m x 2
FOR PVCu APPLICATIONS

QL 9762
WINDOWS POCKET-SLOT

- Throat width: 3.2
- Min. groove depth: 4.5
- Seal gap: 2.5 - 4.0
- Packaging: 300 m x 2
- 700 m x 2

W35276

QL 9898
WINDOWS POCKET-SLOT

- Throat width: 3.2
- Min. groove depth: 4.9
- Seal gap: 3.0 - 5.5
- Packaging: 300 m x 2
- 700 m x 2

W35276

QL 9926
DOORS / WINDOWS POCKET-SLOT

- Throat width: 3.2 - 3.4
- Min. groove depth: 5.0
- Seal gap: 3.0 - 7.5
- Packaging: 300 m x 2

W33276

QL 9928
DOORS / WINDOWS POCKET-SLOT

- Throat width: 3.2 - 3.4
- Min. groove depth: 3.9
- Seal gap: 3.0 - 7.5
- Packaging: 300 m x 2

W34276

QL 48100
DOORS / WINDOWS T-SLOT TYPE A (5,3 MM)

- Retention slot throat: 3.2
- Min. slot depth: 2.3
- Seal gap: 5.5 - 7.0
- Packaging: 250 m x 2

W16266

QL 48400
WINDOWS T-SLOT TYPE A (5,3 MM)

- Throat width: 3.2
- Groove depth: 2.3
- Seal gap: 0.5 - 1.5
- Packaging: 200 m x 2
- 700 m x 2
- 900 m x 2

W15256

QL 48447
DOORS / WINDOWS T-SLOT TYPE A (5,3 MM)

- Throat width: 3.2
- Groove depth: 2.3
- Seal gap: 2.5 - 7.0
- Packaging: 250 m x 2

W33266

QL 48510
WINDOWS T-SLOT TYPE A (5,3 MM)

- Throat width: 3.2
- Groove depth: 2.3
- Seal gap: 1.1 - 2.4
- Packaging: 200 m x 2
- 500 m x 2
- 700 m x 2

W33276

QL 48650
WINDOWS T-SLOT TYPE A (5,3 MM)

- Throat width: 3.2
- Groove depth: 2.3
- Seal gap: 2.5 - 6.0
- Packaging: 200 m x 2
- 500 m x 2
- 700 m x 2

W25256

QL 48700
DOORS / WINDOWS T-SLOT TYPE A (5,3 MM)

- Throat width: 3.2
- Groove depth: 2.3
- Seal gap: 2.5 - 6.0
- Packaging: 250 m x 2

W33276

QL 48447
DOORS / WINDOWS T-SLOT TYPE A (5,3 MM)

- Throat width: 3.2
- Groove depth: 2.3
- Seal gap: 2.5 - 7.0
- Packaging: 250 m x 2

W33266

QL 48510
WINDOWS T-SLOT TYPE A (5,3 MM)

- Throat width: 3.2
- Groove depth: 2.3
- Seal gap: 1.1 - 2.4
- Packaging: 200 m x 2
- 500 m x 2
- 700 m x 2

W15256

QL 48650
WINDOWS T-SLOT TYPE A (5,3 MM)

- Throat width: 3.2
- Groove depth: 2.3
- Seal gap: 2.5 - 6.0
- Packaging: 200 m x 2
- 500 m x 2
- 700 m x 2

W25256

QL 48700
DOORS / WINDOWS T-SLOT TYPE A (5,3 MM)

- Throat width: 3.2
- Groove depth: 2.3
- Seal gap: 2.5 - 6.0
- Packaging: 250 m x 2

W33276
FOR PVCu APPLICATIONS

**QL 69750**
WINDOWS
T-SLOT
TYPE C (7,5 MM)

- Throat width: 4,6
- Groove depth: 2,3
- Seal gap: 2,7 - 4,6
- Packaging: 200 m x 2
  500 m x 2

![Pocket A](Image)

![Pocket B](Image)

![Pocket C](Image)

W24266

**QL 69800**
DOORS / WINDOWS
T-SLOT
TYPE C (7,5 MM)

- Throat width: 4,6
- Groove depth: 2,3
- Seal gap: 2,5 - 7,0
- Packaging: 250 m x 2

W34266

**QL 69950**
DOORS / WINDOWS
T-SLOT
TYPE C (7,5 MM)

- Throat width: 4,6
- Groove depth: 2,3
- Seal gap: 4,0 - 6,5
- Packaging: 200 m x 2
  350 m x 2

W34266
The variety of flexible shapes and different colours makes these Q-Lon profiles particularly suited for sealing applications in window covering products such as roller shutters and screens. Fitted into aluminium head boxes, side guiding channels or bottom bars, Q-Lon polyurethane foam seals minimise light and air leaks, limit contamination and provide long lasting noise dampening effects.
### FOR ALUMINIUM APPLICATIONS

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Dimensions</th>
<th>Features</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>QL 4636</strong></td>
<td>WINDOWS / OTHER T-SLOT TYPE A (5,3 MM)</td>
<td>![Image](QL 4636.png)</td>
<td>Retention slot throat: 3.2 Min. slot depth: 2.3 Seal gap: 1.0 - 2.5 Packaging: 300 m x 2</td>
<td></td>
</tr>
<tr>
<td><strong>QL 4670</strong></td>
<td>WINDOWS / DOORS / OTHER T-SLOT TYPE A (5,3 MM)</td>
<td>![Image](QL 4670.png)</td>
<td>Retention slot throat: 3.2 Min. slot depth: 2.3 Seal gap: 1.3 - 2.3 Packaging: 250 m x 2</td>
<td>W23266</td>
</tr>
<tr>
<td><strong>QL 6970</strong></td>
<td>WINDOWS / DOORS / OTHER T-SLOT TYPE C (7,5 MM)</td>
<td>![Image](QL 6970.png)</td>
<td>Retention slot throat: 4.6 Min. slot depth: 2.3 Seal gap: 2.5 - 4.0 Packaging: 250 m x 2</td>
<td></td>
</tr>
<tr>
<td><strong>QL 46105</strong></td>
<td>OVERLAP SEALS</td>
<td>![Image](QL 46105.png)</td>
<td>Throat width: 3 - 3.2 Groove width: 5 - 5.6 Seal gap: 5 - 5.5 Packaging: 250 m x 2</td>
<td></td>
</tr>
<tr>
<td><strong>QL 46800</strong></td>
<td>OVERLAP SEAL</td>
<td>![Image](QL 46800.png)</td>
<td>Throat width: 2.6 - 3.2 Groove width: 5 - 5.6 Seal gap: 3 - 3.5 Packaging: 250 m x 2</td>
<td></td>
</tr>
<tr>
<td><strong>QL 48700</strong></td>
<td>WINDOWS / DOORS / OTHER T-SLOT TYPE A (5,3 MM)</td>
<td>![Image](QL 48700.png)</td>
<td>Retention slot throat: 3.2 Min. slot depth: 2.3 Seal gap: 3 - 3.2 Groove width: 5 - 5.6 Seal gap: 5 - 5.5 Packaging: 250 m x 2</td>
<td></td>
</tr>
</tbody>
</table>
FOR ALUMINIUM APPLICATIONS

QL 69100
WINDOWS / DOORS / OTHER T-SLOT TYPE C (7,5 MM)

Retention slot throat: 4,6
Min. slot depth: 2,3
Seal gap: 5,5 - 7,0
Packaging: 250 m x 2

T-Slot dimensions

Pocket A
Pocket B
Pocket C

QL 69400
WINDOWS / OTHER T-SLOT TYPE C (7,5 MM)

Throat width: 4,6
Groove depth: 2,3
Seal gap: 0,5 - 1,5
Packaging: 200 m x 2
700 m x 2
900 m x 2

QL 69510
WINDOWS / OTHER T-SLOT TYPE C (7,5 MM)

Retention slot throat: 4,6
Min. slot depth: 2,3
Seal gap: 1,1 - 2,4
Packaging: 250 m x 2

QL 69447
WINDOWS / DOORS / OTHER T-SLOT TYPE C (7,5 MM)

Throat width: 4,6
Groove depth: 2,3
Seal gap: 2,5 - 7,0
Packaging: 250 m x 2

QL 69500
WINDOWS / OTHER T-SLOT TYPE C (7,5 MM)

Retention slot throat: 4,6
Min. slot depth: 2,3
Seal gap: 2,5 - 7,0
Packaging: 250 m x 2

QL 69650
WINDOWS / OTHER T-SLOT TYPE C (7,5 MM)

Throat width: 4,6
Groove depth: 2,3
Seal gap: 1,8 - 3,4
Packaging: 200 m x 2
400 m x 2
600 m x 2

QL 69700
WINDOWS / DOORS / OTHER T-SLOT TYPE C (7,5 MM)

Retention slot throat: 4,6
Min. slot depth: 2,3
Seal gap: 2,5 - 6,0
Packaging: 250 m x 2

QL 69750
WINDOWS / OTHER T-SLOT TYPE C (7,5 MM)

Throat width: 4,6
Groove depth: 2,3
Seal gap: 2,7 - 4,6
Packaging: 200 m x 2
500 m x 2

QL 69800
WINDOWS / DOORS / OTHER T-SLOT TYPE C (7,5 MM)

Throat width: 4,6
Groove depth: 2,3
Seal gap: 2,5 - 7,0
Packaging: 250 m x 2

T-Slot dimensions

Pocket A
Pocket B
Pocket C

FOR ALUMINIUM APPLICATIONS

Q-LON
Q-LON POLYURETHANE FOAM SEALS:
FOR INTERIOR DESIGN; INTERNAL DOOR AND FURNITURE APPLICATIONS

- Suitable for internal timber doors and sliding wardrobe, closet and sideboard doors
- Helps to reduce noise, dust and light contamination
- Available colours: white, black, bronze and grey.

Other colours available on request
FOR INTERIOR DESIGN

**QL 50**
INTERNAL DOORS / FURNITURE

- Groove width: 2.7 - 3.0
- Min. groove depth: 6.0
- Rebate: 10.0
- Seal gap: 3.0 - 5.0
- Packaging: 250 m x 2

**QL 55**
INTERNAL DOORS / FURNITURE

- Groove width: 2.7 - 3.0
- Min. groove depth: 6.0
- Rebate: 10.0
- Seal gap: 3.0 - 4.5
- Packaging: 250 m x 2

**QL 60**
INTERNAL DOORS / FURNITURE

- Groove width: 2.7 - 3.0
- Min. groove depth: 6.0
- Rebate: 10.0
- Seal gap: 3.0 - 4.5
- Packaging: 250 m x 2

**QL 836 (AQ 836)**
FURNITURE

- Groove width: 3.0 - 3.2
- Min. groove depth: 7.5
- Seal gap: 5.0 - 7.5
- Packaging: 125 m x 2

---

Schlegel
FOR INTERIOR DESIGN

QL 3056
WINDOWS

Groove width: 2,7 - 3,0
Min. groove depth: 6,0
Rebate: 9,0
Seal gap: 4,0 - 7,5
Packaging: 300 m x 2

QL 3070
FURNITURE

Groove width: 2,7 - 3,0
Min. groove depth: 8,0
Rebate: 0,0 - 1,5
Seal gap: 4,0 - 8,0
Packaging: 400 m x 2

QL 3072
INTERNAL DOORS / FURNITURE

Groove width: 2,7 - 3,2
Min. groove depth: 6,5
Rebate: 10,0
Seal gap: 2,7 - 4,3
Packaging: 300 m x 2

QL 3073
FURNITURE

Groove width: 4,0 - 5,0
Min. groove depth: 7,5
Rebate: 5,0 - 8,0
Seal gap: 2,0 - 3,0
Packaging: 150 m x 2 / 200 m x 2

QL 3074
FURNITURE

Groove width: 2,7 - 3,2
Min. groove depth: 6,5
Rebate: 10,0
Seal gap: 2,7 - 4,3
Packaging: 300 m x 2

QL 3077
FURNITURE

Groove width: 2,7 - 3,0
Min. groove depth: 6,0
Rebate: 4,0 - 8,0
Seal gap: 2,0 - 3,0
Packaging: 150 m x 2 / 400 m x 1

QL 3078
FURNITURE

Groove width: 3,0 - 3,3
Min. groove depth: 6,0
Rebate: 4,0 - 7,5
Seal gap: 2,7 - 3,0
Packaging: 250 m x 2 / 300 m x 2

QL 3079
FURNITURE

Groove width: 3,2 - 4,0
Min. groove depth: 6,5
Rebate: 2,7 - 4,3
Seal gap: 300 m x 2

QL 3091
INTERNAL DOORS / FURNITURE

Groove width: 4,0 - 5,0
Min. groove depth: 7,5
Rebate: 4,0 - 8,0
Seal gap: 2,7 - 4,3
Packaging: 150 m x 2 / 400 m x 1

QL 3093
FURNITURE

Groove width: 2,7 - 3,0
Min. groove depth: 7,0
Rebate: 4,0 - 8,0
Seal gap: 2,7 - 4,3
Packaging: 150 m x 2 / 400 m x 1
ACCESSORIES AND TOOLS:
FOR Q-LON POLYURETHANE FOAM SEALS

**Q-LON COVER CAPS**
FOR FRENCH WINDOWS
Special colour co-ordinated caps made from resistant HDPE for various groove and rebate dimensions.

<table>
<thead>
<tr>
<th>Q-Lon Seal</th>
<th>Part No.</th>
<th>Groove</th>
<th>Rebate</th>
</tr>
</thead>
<tbody>
<tr>
<td>QL 3034</td>
<td>MIS-9093</td>
<td>3,0</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>MIS-9124</td>
<td>4,0</td>
<td>12,0</td>
</tr>
<tr>
<td></td>
<td>MIS-9125</td>
<td>5,0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MIS-9184</td>
<td>4,0</td>
<td>18,0 – 20,0</td>
</tr>
<tr>
<td></td>
<td>MIS-9185</td>
<td>5,0</td>
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</tr>
<tr>
<td>QL 3053</td>
<td>MIS-9103</td>
<td>3,0</td>
<td>10,0</td>
</tr>
<tr>
<td>QL 3070</td>
<td>MIS-9093</td>
<td>3,0</td>
<td>–</td>
</tr>
</tbody>
</table>

**LOZARON COVER PROFILES**
FOR FRENCH WINDOWS
Colour coordinated profile made from TPE, compatible with acrylic paint.

<table>
<thead>
<tr>
<th>Q-Lon Seal</th>
<th>Part No.</th>
<th>Groove</th>
<th>Rebate</th>
</tr>
</thead>
<tbody>
<tr>
<td>QL 3053</td>
<td>DX 1362</td>
<td>4,0 – 5,0</td>
<td>12 + 18 – 20</td>
</tr>
<tr>
<td>QL 3141</td>
<td>DX 1483</td>
<td>3,0</td>
<td>10,0 – 20,0</td>
</tr>
</tbody>
</table>
Q-LON MITRE CUTTERS
Q-Lon mitre cutters have an insertion roll for 90° and end cut for assembly in the sash. Part no. MIS-9001-99.

Q-LON INSERTION ROLLER
Profile manual roller. Part no. MIS-9007-01.

Q-LON DISPENSER
Seal dispenser for 1 coil. Part no. 02800012.

INSTALLATION OF Q-LON IN THE SASH (SIDE JOINT)

Step 1
The Q-Lon profile is pressed into the kerf at the centre of the sash.

Step 2
The Q-Lon pliers are placed in the rebate corner with the stop and a 90° mitre is cut out.

Step 3
The final cut: by positioning the pliers against the profile as shown, the final cut is made in the precise length.

CORNER JOINTING WITH SILICONE MASTIC

Timber
Bonding of interrupted butt joint.

Timber
Bonding of mitre-cut joint.

PVCu and Aluminium
Enhancement of continuous seal.

Specification of silicone mastic: colourless WACKER Elastosil A07 RTV-1 silicone rubber / adhesive or equivalent.
### EXTRUDED SEALS:
FOR TIMBER, PVC AND ALUMINIUM APPLICATIONS

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<th>Page</th>
</tr>
</thead>
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<tr>
<td>For aluminium dry glazing</td>
<td>93</td>
</tr>
</tbody>
</table>
SCHLEGEL: QUALITY SEALING FOR ESSENTIAL ENERGY CONSERVATION

Schlegel focuses on manufacturing high quality products for energy conservation and optimal sealing against draughts, water, dust, noise and light. With many years of global experience in the design and manufacture of outstanding components for windows and doors, Schlegel today has become the industry’s first choice for foam, brush pile and extruded seals.

The Q-Lon brand has been developed and expanded to offer the widest range of foam seals for windows and doors, window covering products and interior design. The unique construction of polyethylene (PE) foil with incorporated polyurethane (PU) foam has made Q-Lon the seal of choice for a wide range of applications. Authentic Q-Lon seals are impervious to paint and stains, and provide industry leading performance in energy saving and noise reduction.

Poly-Bond brush pile seals are closely woven textile yarns interlaced into a rigid or soft backing. The water repellent polypropylene (PP) yarns are available in a range of heights, colours and densities. Poly-Bond brush pile seals are mostly applied in sliding applications, where the availability of a variety of widths, compression strengths and additional options such as fins offer the customers the opportunity to select the exact seal they need to meet their requirements.

In our range of extruded seals, a variety of materials and manufacturing processes are combined to achieve the optimal combination of product characteristics. The 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. The products are traditionally applied in the fenestration and building industry, but also in the window covering and automotive sectors.

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 norm ISO 9001:2015 and an Environmental Management System to ISO 14001:2004.

Tested and certified by:

bsi. ift Lloyd’s Register
EXTRUDED SEALS: COLOUR RANGE

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

White, grey, brown and black are the main extrusion colours:

<table>
<thead>
<tr>
<th>RAL</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>9003</td>
<td>White</td>
</tr>
<tr>
<td>8019</td>
<td>Brown</td>
</tr>
<tr>
<td>9005</td>
<td>Black</td>
</tr>
</tbody>
</table>

Other colours including translucent and colour matching with customer specific colour schemes are subject to availability. These are determined by the colour of the granulates, masterbatches, and foam seal foil and can be offered upon request. Depending on the configuration, special conditions for minimum order quantities, lead time, packaging and price changes may apply.

<table>
<thead>
<tr>
<th>RAL</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>1001</td>
<td>Beige</td>
</tr>
<tr>
<td>7035</td>
<td>Light Grey</td>
</tr>
<tr>
<td>7032</td>
<td>Pebble Grey</td>
</tr>
<tr>
<td>8001</td>
<td>Ochre Brown</td>
</tr>
<tr>
<td>7037</td>
<td>Dusty Grey</td>
</tr>
<tr>
<td>7024</td>
<td>Graphite Grey</td>
</tr>
<tr>
<td>8015</td>
<td>Chestnut Brown</td>
</tr>
<tr>
<td>8017</td>
<td>Chocolate Brown</td>
</tr>
</tbody>
</table>

For standard available colours per specific item please refer to the separately available customer drawings on our website.
COLOUR EXAMPLES

LV 0811
LOZARON INTERNAL GLAZING SEAL
Translucent
≈ RAL 9003

LP 1055
LOZARON SEALING PROFILE FOR TIMBER ENTRY DOORS
≈ RAL 8003

NS 1054
NOVA-SEAL PROFILE FOR TIMBER WINDOWS AND DOORS
≈ RAL 8001

NS 1078
NOVA-SEAL PROFILE FOR TIMBER WINDOWS AND DOORS
≈ RAL 8017

LV 1102
DOUBLE SEALS
≈ RAL 8019

LS 9125
LOZARON SEALING PROFILE FOR TIMBER ENTRY DOORS
≈ RAL 7001

LT 1403
LOZARON DOUBLE SEALING PROFILE FOR TIMBER WINDOWS
≈ RAL 7024

LT 1432
LOZARON SEALING PROFILE FOR TIMBER WINDOWS
≈ RAL 7024

LV 0959
LOZARON THRESHOLD PROFILE FOR TIMBER ENTRY DOORS
≈ RAL 9005
THE CLASSIFICATIONS OF WEATHERSEALS 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.

It is important that evidence is provided and the classification of each seal demonstrated.

A SIX DIGIT SYSTEM IS USED:

<table>
<thead>
<tr>
<th>Category of Use</th>
<th>Working Range</th>
<th>Linear Compression Force</th>
<th>Working Temperature Range</th>
<th>Deflection Recovery</th>
<th>Recovery After Ageing</th>
</tr>
</thead>
<tbody>
<tr>
<td>W = Weatherstrip</td>
<td>G = Gasket</td>
<td>9 grades showing the working range of the seal with 9 being the greatest distance</td>
<td>9 grades showing the linear compression force with 9 being the greatest force</td>
<td>6 grades showing the working temperature range each with different high and low temperatures</td>
<td>8 grades showing deflection recovery with grade 0 indicating no requirement and grade 7 showing the greatest recovery</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grades</th>
<th>Grades</th>
<th>Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>1: ≤ 1mm</td>
<td>1: ≤ 10 N/m</td>
<td>1: 0°C to +45°C</td>
</tr>
<tr>
<td>2: &gt;1mm ≤2mm</td>
<td>2: &gt;10 N/m ≤20 N/m</td>
<td>2: -10°C to +55°C</td>
</tr>
<tr>
<td>3: &gt;2mm ≤4mm</td>
<td>3: &gt;20 N/m ≤50 N/m</td>
<td>3: -20°C to +85°C</td>
</tr>
<tr>
<td>4: &gt;4mm ≤6mm</td>
<td>4: &gt;50 N/m ≤100 N/m</td>
<td>4: -25°C to +100°C</td>
</tr>
<tr>
<td>5: &gt;6mm ≤8mm</td>
<td>5: &gt;100 N/m ≤200 N/m</td>
<td>5: -40°C to +70°C</td>
</tr>
<tr>
<td>6: &gt;8mm ≤10mm</td>
<td>6: &gt;200 N/m ≤500 N/m</td>
<td>6: 0°C to +200°C</td>
</tr>
<tr>
<td>7: &gt;10mm ≤15mm</td>
<td>7: &gt;500 N/m ≤700 N/m</td>
<td></td>
</tr>
<tr>
<td>8: &gt;15mm ≤30mm</td>
<td>8: &gt;700 N/m ≤1000 N/m</td>
<td></td>
</tr>
<tr>
<td>9: &gt;30mm</td>
<td>9: &gt;1000 N/m</td>
<td></td>
</tr>
</tbody>
</table>

When assessing the performance requirement, the greater the grade does not always show the best level of performance. So, when comparing categorisations higher scores are usually better but careful analysis is required to ensure that the needs of the particular application are met.

A TYPICAL CLASSIFICATION THEREFORE TAKES THE FORM OF:

<table>
<thead>
<tr>
<th>W</th>
<th>5</th>
<th>3</th>
<th>6</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
</table>
PRODUCT 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. All testing should be carried out by an accredited test facility. The testing facilities at SchlegelGiesse in Hamburg are accredited by ift Rosenheim.

<table>
<thead>
<tr>
<th>TPE CLASSIFICATION TO EN 12365 2003</th>
</tr>
</thead>
<tbody>
<tr>
<td>DX1383 (LT1383)</td>
</tr>
<tr>
<td>DX1432 (LT1432)</td>
</tr>
<tr>
<td>DX1452 (LT1452)</td>
</tr>
</tbody>
</table>
EXTRUDED SEALS: SURPRISING VERSATILITY WITH OR WITHOUT PILE AND FOAM TECHNOLOGY

- Engineered solutions with or without foam technology
- Flexible PP, PVC and (foamed) TPE seals to make a perfect fit
- Co-extruded PP / TPE extrusions with closed cell PU foam for high deflection recovery
- PP extrusions with excellent mechanical properties
- Rigid PVC extrusions for robust value for money applications

Schlegel’s range of extruded seals currently comprises over 120 different seals, and the range is growing. The availability of numerous material types, colour options and packaging solutions offers a wide range of possibilities and opportunities to our customers.

Further images and information relating to individual items can also be found on the Schlegel website. We would encourage you to visit the site regularly to browse the standard range and our more bespoke options. You can also use our new Search and Filter function to make the perfect selection for your needs.
1. NOVA-SEAL (NS)

Nova-Seal is a PP / TPE co-extrusion that incorporates a unique closed cell polyurethane foam strip, and which also offers a very high deflection recovery due to the properties of the foam. Nova-Seal products are available for a range of different frame, sash and glazing applications.

2. LOZARON (LF) (LP) (LS) (LT) (LV)

The Lozaron seals consist of a range of TPE, foamed TPE, polypropylene or silicone profiles. Each of these materials has specific benefits which can be applied to the fenestration industry, be in for internal applications, external doors or sun protection for example. For the window industry there are Lozaron TPE extrusions with flexible microcell foam (LF). The Lozaron TPE (LT) extruded profiles without foam have a more universal application and are typically found in French (double) windows and doors for example. The Lozaron silicone (LS) seals are most commonly applied in external entry doors, where their resilience to deformation and temperature is crucial. Lozaron polypropylene (LP) and PVC (LV) extrusions come in many different forms and grades. The versatility of these materials meet the demands of many customers in the fenestration, as well as in the window covering, furniture and automotive industries.
NOVA-SEAL EXTRUDED SEALS WITH INCORPORATED FOAM FOR DRY-GLAZING APPLICATIONS

NS = Nova-Seal co-extruded PP/TPE seals with PU foam

**NS 1060 NOVA-SEAL GLAZING**
- Groove width: 2.0 - 3.0
- Min. groove depth: 7.5
- Packaging: 400 m x 2

**NS 1065 NOVA-SEAL GLAZING**
- Groove width: 1.5 - 2.5
- Min. groove depth: 8.5
- Packaging: 400 m x 2

**NS 1105 NOVA-SEAL GLAZING**
- Groove width: 1.5 - 2.2
- Min. groove depth: 11.5
- Packaging: 400 m x 2

**NS 1122 NOVA-SEAL GLAZING**
- Groove width: 3.0
- Min. groove depth: 3.5
- Packaging: 400 m x 2
FOR TIMBER WINDOWS AND DOORS

- Closed cell PU foam offers high deflection recovery
- Rigid PP body unaffected by shrinkage or elongation
- Optional soft TPE lip for ease of insertion

**NS 1061 NOVA-SEAL**
- **Groove width:** 3,0
- **Min. groove depth:** 6,0
- **Rebate:** 12,5
- **Seal gap:** 3,0 - 4,5
- **Packaging:** 250 m x 2

**NS 1066 NOVA-SEAL**
- **Groove width:** 3,0
- **Min. groove depth:** 6,0
- **Rebate:** 18,0
- **Seal gap:** 3,0 - 5,0
- **Packaging:** 250 m x 2

**NS 1074 NOVA-SEAL**
- **Groove width:** 3,0
- **Min. groove depth:** 6,0
- **Rebate:** 14,5
- **Seal gap:** 3,0 - 5,0
- **Packaging:** 250 m x 2

**NS 1078 NOVA-SEAL**
- **Groove width:** 3,5
- **Min. groove depth:** 8,0
- **Rebate:** 18,0
- **Seal gap:** 4,5 - 7,0
- **Packaging:** 250 m x 2

**NS 1079 NOVA-SEAL**
- **Groove width:** 3,0
- **Min. groove depth:** 5,0
- **Rebate:** 10,5
- **Seal gap:** 3,0 - 5,0
- **Packaging:** 250 m x 2

**NS 1082 NOVA-SEAL**
- **Groove width:** 3,0
- **Min. groove depth:** 6,0
- **Rebate:** 14,7
- **Seal gap:** 4,5 - 6,5
- **Packaging:** 250 m x 2

**NS 1054 NOVA-SEAL**
- **Groove width:** 3,0
- **Min. groove depth:** 6,0
- **Rebate:** 12,0
- **Seal gap:** 3,0 - 5,0
- **Packaging:** 250 m x 2

**NS 1083 NOVA-SEAL**
- **Groove width:** 3,0
- **Min. groove depth:** 6,0
- **Rebate:** 14,7
- **Seal gap:** 4,5 - 6,5
- **Packaging:** 250 m x 2

**NS 1079 NOVA-SEAL**
- **Groove width:** 3,0
- **Min. groove depth:** 5,0
- **Rebate:** 10,5
- **Seal gap:** 3,0 - 5,0
- **Packaging:** 250 m x 2

**NS 1082 NOVA-SEAL**
- **Groove width:** 3,0
- **Min. groove depth:** 6,0
- **Rebate:** 14,7
- **Seal gap:** 4,5 - 6,5
- **Packaging:** 250 m x 2

**NS 1054 NOVA-SEAL**
- **Groove width:** 3,0
- **Min. groove depth:** 6,0
- **Rebate:** 12,0
- **Seal gap:** 3,0 - 5,0
- **Packaging:** 250 m x 2

**EXTRUDED**
LOZARON
EXTRUDED PROFILES

• Different materials and shapes for an array of applications, including dry glazing
• Lozaron foamed TPE (LF) with elastic micro-cell foam and rigid back for easy fitting
• Ultra-resilient Lozaron silicone entry door seals (LS) for applications in a wide temperature range
• Lozaron PP (LP) and PVC (LV) extrusions with excellent mechanical properties
FOR TIMBER AND ENTRY DOORS

LP = Lozaron PP seals; LS = Lozaron silicone seals; LT = Lozaron TPE seals; LV = Lozaron PVC seals

**LP 1055**
ENTRY DOOR CASEMENT

<table>
<thead>
<tr>
<th>Groove width: 3,0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. groove depth: 6,0</td>
</tr>
<tr>
<td>Rebate: 9,0</td>
</tr>
<tr>
<td>Seal gap: 3,0 - 4,5</td>
</tr>
<tr>
<td>Packaging: 250 m x 1</td>
</tr>
</tbody>
</table>

**LS 9125**
DOOR SEALING PROFILE

<table>
<thead>
<tr>
<th>Groove width: 5,0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. groove depth: 8,0</td>
</tr>
<tr>
<td>Rebate: 12,0</td>
</tr>
<tr>
<td>Seal gap: 5,0</td>
</tr>
<tr>
<td>Packaging: 50 m x 1</td>
</tr>
</tbody>
</table>

**LT 1430**
DOOR SEALING PROFILE

<table>
<thead>
<tr>
<th>Groove width: 5,0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. groove depth: 7,0</td>
</tr>
<tr>
<td>Rebate: 15,0</td>
</tr>
<tr>
<td>Seal gap: 5,0</td>
</tr>
<tr>
<td>Packaging: 130 m x 1</td>
</tr>
</tbody>
</table>

**LS 9185**
DOOR SEALING PROFILE

<table>
<thead>
<tr>
<th>Groove width: 5,0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. groove depth: 8,0</td>
</tr>
<tr>
<td>Rebate: 18,0</td>
</tr>
<tr>
<td>Seal gap: 5,0</td>
</tr>
<tr>
<td>Packaging: 50 m x 1</td>
</tr>
</tbody>
</table>

**LT 1431**
DOOR SEALING PROFILE

<table>
<thead>
<tr>
<th>Groove width: 5,0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. groove depth: 7,0</td>
</tr>
<tr>
<td>Rebate: 18,0</td>
</tr>
<tr>
<td>Seal gap: 5,0</td>
</tr>
<tr>
<td>Packaging: 100 m x 1</td>
</tr>
</tbody>
</table>

**LS 9155**
DOOR SEALING PROFILE

<table>
<thead>
<tr>
<th>Groove width: 5,0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. groove depth: 8,0</td>
</tr>
<tr>
<td>Rebate: 15,0</td>
</tr>
<tr>
<td>Seal gap: 5,0</td>
</tr>
<tr>
<td>Packaging: 50 m x 1</td>
</tr>
</tbody>
</table>

**LV 0959**
DOOR THRESHOLD PROFILE

<table>
<thead>
<tr>
<th>Groove width: 3,0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. groove depth: 7,0</td>
</tr>
<tr>
<td>Rebate: 17,0</td>
</tr>
<tr>
<td>Seal gap: 4,0 - 5,0</td>
</tr>
<tr>
<td>Packaging: 165</td>
</tr>
</tbody>
</table>

**LT 1440**
DOOR SEALING PROFILE

<table>
<thead>
<tr>
<th>Groove width: 6,35</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. groove depth: 10,0</td>
</tr>
<tr>
<td>Seal gap: 5,0 - 8,0</td>
</tr>
<tr>
<td>Packaging: 50</td>
</tr>
</tbody>
</table>

**LS 9185**
DOOR SEALING PROFILE

<table>
<thead>
<tr>
<th>Groove width: 5,0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. groove depth: 8,0</td>
</tr>
<tr>
<td>Rebate: 18,0</td>
</tr>
<tr>
<td>Seal gap: 5,0</td>
</tr>
<tr>
<td>Packaging: 50 m x 1</td>
</tr>
</tbody>
</table>

**LT 1431**
DOOR SEALING PROFILE

<table>
<thead>
<tr>
<th>Groove width: 5,0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. groove depth: 7,0</td>
</tr>
<tr>
<td>Rebate: 18,0</td>
</tr>
<tr>
<td>Seal gap: 5,0</td>
</tr>
<tr>
<td>Packaging: 100 m x 1</td>
</tr>
</tbody>
</table>
FOR TIMBER INTERNAL DOORS

LP 1057
CASEMENT SEAL

- Groove width: 3,0
- Min. groove depth: 6,0
- Rebate: 11,0
- Seal gap: 4,0 - 5,5
- Packaging: 2,15 m x 1

LV 0893
SEALING PROFILE

- Groove width: 3,5
- Min. groove depth: 5,5
- Seal gap: 4,5 - 7,0
- Packaging: 2,21 m x 110

LV 0935
DOUBLE SEALING PROFILE

- Groove width: 3,0 - 3,5
- Min. groove depth: 5,5
- Seal gap: 5,0 - 7,0
- Packaging: 150 m x 1

LV 1481
SEALING PROFILE

- Groove width: 4,0
- Min. groove depth: 6,0
- Rebate: 12,0
- Seal gap: 5,0
- Packaging: 50 m x 1

LV 1494
SLIDING DOOR SEAL

- Groove width: 3,2
- Min. groove depth: 5,0
- Packaging: 2,15 m x 150
  100 m x 1

LP = Lozaron PP seals; LV = Lozaron PVC seals
**FOR TIMBER WINDOWS**

**LP** = Lozaron foamed TPE seals; **LP** = Lozaron PP seals; **LT** = Lozaron TPE seals

- **C** Suitable for centre seal
- **O** Suitable for overlap seal
- **F** Suitable for frame seal
- **S** Suitable for sash seal

### LF 2002 SEALING PROFILE

- Groove width: 3,0
- Min. groove depth: 5,5
- Seal gap: 5,0
- Packaging: 150 m x 1

### LF 2003 SEALING PROFILE

- Groove width: 4,0
- Min. groove depth: 7,0
- Seal gap: 5,0
- Packaging: 200 m x 1

### LP 1101 CENTRE SEAL

- Groove width: 4,0
- Min. groove depth: 6,0
- Seal gap: 4,0 - 7,0
- Packaging: 300 m x 1

### LT 1383 (DX1383) WINDOW SEAL

- Groove width: 3,0
- Min. groove depth: 5,0
- rebate: 2,5
- Seal gap: 6,0
- Packaging: 200 m x 1

### LT 1362 FRENCH WINDOW PROFILE

- Groove width: 5,0
- Min. groove depth: 8,0
- Rebate: 12,0 / 19,0
- Packaging: 25 m x 1
  150 m x 1

### LT 1432 (DX1432) SEALING PROFILE

- Groove width: 5,0
- Min. groove depth: 8,0
- Rebate: 12,0
- Seal gap: 5,0
- Packaging: 150 m x 1

### LT 1403 DOUBLE SEAL

- Groove width: 3,0
- Min. groove depth: 7,0
- Packaging: 300 m x 1

### LT 1452 (DX1452) OVERLAP SEAL

- Groove width: 3,0
- Min. groove depth: 5,0
- Rebate: 10,0
- Seal gap: 6,0
- Packaging: 200 m x 1

### LT 1483 FRENCH WINDOW PROFILE

- Groove width: 3,0
- Min. groove depth: 5,5
- Rebate: 10,0 / 20,0
- Packaging: 25 m x 1
  150 m x 1

### LT 1484 GLAZING BEAD SEAL

- Groove width: 4,0
- Min. groove depth: 4,0
- Packaging: 400 m x 2
FOR TIMBER WINDOWS

LP = Lozaron foamed TPE seals  LP = Lozaron PP seals  LT = Lozaron TPE  LV = Lozaron PVC seals

C: Suitable for centre seal  F: Suitable for frame seal seals

LT 1489
DOUBLE SEAL

Groove width: 3,0  
Min. groove depth: 7,0  
Packaging: 300 m x 1

LV 0816
RETROFIT DOUBLE SEAL

Seal gap: 3,5 - 6,0  
Packaging: 50 m x 1

LV 0856
RETROFIT DOUBLE SEAL

Seal gap: 4,0 - 8,0  
Packaging: 40 m x 1

LV 0869
RETROFIT DOUBLE SEAL

Seal gap: 5,0 - 11,0  
Packaging: 40 m x 1

LV 0893
SEALING PROFILE

Groove width: 3,5  
Min. groove depth: 5,5  
Seal gap: 4,5 - 7,0  
Packaging: 221 m x 100

LV 0935
DOUBLE SEALING PROFILE

Groove width: 3,0 - 3,5  
Min. groove depth: 5,5  
Seal gap: 5,0 - 7,0  
Packaging: 150 m x 1

LV 0969
DOUBLE FLIPPER SEAL

Groove width: 4,0  
Min. groove depth: 5,0  
Seal gap: 5,0 - 7,0  
Packaging: 90 m x 3

LV 1079
DOUBLE FLIPPER SEAL

Groove width: 3,5  
Min. groove depth: 6,5  
Seal gap: 4,0 - 6,0  
Packaging: 80 m x 3

LV 1102
DOUBLE SEAL

Groove width: 2,8 - 3,5  
Min. groove depth: 6,5  
Rebate: 12,0  
Seal gap: 3,5 - 5,0  
Packaging: 80 m x 4

LV 1237
SEALING PROFILE

Groove width: 3,5  
Min. groove depth: 6,5  
Seal gap: 8,0 - 12,0  
Packaging: 60 m x 6

EXTRUDED
**LV 1255**
DOUBLE SEALING
PROFILE

- Groove width: 3.5 - 4.0
- Min. groove depth: 6.5
- Rebate: 11.0
- Seal gap: 4.0 - 6.0
- Packaging: 60 m x 3

**LV 1305**
SEALING PROFILE

- Groove width: 4.0
- Min. groove depth: 5.0
- Seal gap: 5.0 - 7.0
- Packaging: 45 m x 7

- 60 m x 10
- 300 m x 1

**LV 1339**
FLIPPER SEAL

- Groove width: 3.0
- Min. groove depth: 6.5
- Seal gap: 2.0 - 3.0
- Packaging: 300 m x 1

**LV 1440**
FLIPPER SEAL

- Groove width: 3.2
- Min. groove depth: 6.5
- Seal gap: 2.0 - 3.0
- Packaging: 300 m x 1

---

**FOR SLIDING WINDOWS**

**LT 1509**
T-SLOT

- Throat width: 4.8
- Groove depth: 2.9
- Seal gap: 3.3 - 3.5
- Packaging: 500 m x 1
FOR DRY GLAZING

**LF** = Lozaron foamed TPE seals; **LP** = Lozaron PP seals; **LV** = Lozaron PVC seals

---

**LF 2004**
**GLAZING SEAL**

Groove width: 3.0
Min. groove depth: 3.5
Seal gap: 2.0 - 3.0
Packaging: 300 m x 1

---

**LP 1034**
**COVER PROFILE**

Groove width: 0.7 - 0.8
Packaging: 400 m x 1

---

**LV 0412**
**GLAZING SEAL**

Groove width: 3.0
Packaging: 150 m x 1

---

**LV 0811**
**INTERNAL SEAL**

Groove width: 7.5 - 8.0
Min. groove depth: 9.5 - 10.0
Packaging: 200 m x 1

---

**LV 1037**
**AUTOMOTIVE GLAZING SEAL**

Packaging: 100 m x 1

---

**LV 1486**
**INTERNAL SEAL**

Groove width: 10.0 - 10.5
Min. groove depth: 11.5
Packaging: 120 m x 1

---

**LV 1487**
**COVER PROFILE**

Groove width: 0.7 - 0.8
Packaging: 400 m x 1

---

**LV 1488**
**SHOWER CABIN SEAL**

Packaging: 2.0 m x 170
FOR ROLLER SHUTTERS, SCREENS AND WINDOW COVERING PRODUCTS

LP = Lozaron PP seals; LV = Lozaron PVC seals

**LP 1040**
SIDE GUIDING SHUTTER PROFILE

Groove width: 5.0 - 6.0
Min. groove depth: 2.6
Seal gap: 1.2
Packaging: 500 m x 1

**LP 1077**
BOTTOM BAR SEAL

Groove width: 2.5 - 6.0
Min. groove depth: 1.2
Seal gap: 4.5 - 6.0
Packaging: 400 m x 1

**LP 1088**
ROLLER SHUTTER T-PROFILE

Packaging: 400 m x 1

**LP 1102**
SIDE GUIDING SHUTTER PROFILE

Packaging: 400 m x 2

**LP 1163**
SIDE GUIDING SHUTTER PROFILE

Packaging: 400 m x 2

**LV 1194**
COVER PROFILE

Packaging: 2.5 m x 50

**LV 1417**
SIDE GUIDING SEALING PROFILE

Groove width: 3.0 - 8.0
Min. groove depth: 1.2
Packaging: 350 m x 1

**LV 1428**
SIDE GUIDING SEALING PROFILE

Groove width: 2.5 - 8.0
Min. groove depth: 1.2
Packaging: 350 m x 1

**LV A019**
COVER PROFILE

Packaging: 2,105 m x 100

**LV ZIP**
ZIP SCREEN PROFILE (DESIGN TO ORDER)

Packaging: 6.0 m x 40
<table>
<thead>
<tr>
<th>Product No.</th>
<th>Description</th>
<th>Dimensions</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>LV 0302</td>
<td>TRUCK BODY SEAL</td>
<td>9,0 14,0 11,2</td>
<td>100 m x 1</td>
</tr>
<tr>
<td>LV 0627</td>
<td>RETROFIT SEAL</td>
<td>21,5 3,6 12,0</td>
<td>2,1 x 216</td>
</tr>
<tr>
<td>LV 0799</td>
<td>PROTECTION PROFILE</td>
<td>8,8 7,2 28,5</td>
<td>75 m x 2</td>
</tr>
<tr>
<td>LV 0902</td>
<td>TRUCK BODY SEAL</td>
<td>12,5 28,5 12,0</td>
<td>50 m x 5</td>
</tr>
<tr>
<td>LV 1037</td>
<td>AUTOMOTIVE GLAZING SEAL</td>
<td>12,0 45,0 43,8</td>
<td>100 m x 1</td>
</tr>
<tr>
<td>LV 1123</td>
<td>AUTOMOTIVE DOOR SEAL</td>
<td>23,8 29,0 16,0</td>
<td>20 m</td>
</tr>
<tr>
<td>LV 1124</td>
<td>AUTOMOTIVE DOOR SEAL</td>
<td>23,0 25,0 13,8</td>
<td>84 m</td>
</tr>
<tr>
<td>LV 1194</td>
<td>COVER PROFILE</td>
<td>16,0 12,0 14,0</td>
<td>2,5 m x 50</td>
</tr>
<tr>
<td>LV 1215</td>
<td>COVER PROFILE</td>
<td>12,6 19,8 16,0</td>
<td>2,5 m x 50</td>
</tr>
<tr>
<td>LV 5021</td>
<td>CURTAIN WALL BASE PROFILE</td>
<td>82,5 26,0 94,5</td>
<td>2,75 m x 5</td>
</tr>
<tr>
<td>LV A018</td>
<td>COMPOSITE DOOR BASE COVER</td>
<td>44,0 12,5 21,5</td>
<td>2,105 m x 40</td>
</tr>
</tbody>
</table>
FOR ALUMINIUM DRY GLAZING

LE = Lozaron EPDM seals

**22305 GLASS BEAD SEAL**
- **A: Seal gap:** 2 mm
- **Packaging:** 500 m x 1

**22310 GLASS BEAD SEAL**
- **A: Seal gap:** 3 mm
- **Packaging:** 400 m x 1

**22315 GLASS BEAD SEAL**
- **A: Seal gap:** 4 mm
- **Packaging:** 250 m x 1

**22320 GLASS BEAD SEAL**
- **A: Seal gap:** 5 mm
- **Packaging:** 150 m x 1

**22325 GLASS BEAD SEAL**
- **A: Seal gap:** 6 mm
- **Packaging:** 150 m x 1

**22330 GLASS BEAD SEAL**
- **A: Seal gap:** 7 mm
- **Packaging:** 100 m x 1

**22335 GLASS BEAD SEAL**
- **A: Seal gap:** 8 mm
- **Packaging:** 100 m x 1

**22340 GLASS BEAD SEAL**
- **A: Seal gap:** 10 mm
- **Packaging:** 100 m x 1
FOAM-TITE WEATHERSEALS: HIGH PERFORMANCE THERMOPLASTIC FOAM SEAL

Foam-Tite Weatherseal: superior window and door protection 95
Build Your Own Seal: hybrid seals 96
Build Your Own Seal: custom options 98
Build Your Own Seal: product options 99
Foam-Tite: example profiles 100
Schlegel specialises in the design and manufacture of high quality seals in standard and custom configurations for the fenestration industry. Our seals offer a superior way to eliminate air and water infiltration whilst maintaining excellent compression force and recovery properties.

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

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

Suitable for Aluminium, Steel, PVC and Timber frames
BUILD YOUR OWN SEAL:
HYBRID SEALS
Foam-Tite hybrid seals allow you the flexibility to choose any foam shape and any carrier from our extensive range of profiles and combine them in one unique profile.

Foam-Tite hybrid seals – superior benefits:
- Product design versatility – based on extrusion
- Fast development and prototype turn around
- Low minimum order quantities – subject to volume and usage
- Fast design changes and modifications
- Low customisation costs
- Highest standards regarding intellectual property
We offer a comprehensive portfolio of bespoke materials to suit your individual needs, enabling you to quickly and easily design and build your perfect weatherseal. By selecting from the following options, this will enable you to specify a weatherseal to your exact requirements, ensuring optimum performance for your application.

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

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

**FOAM OPTIONS**
A range of shapes and sizes are available, including:
- Bulbs
- Flippers
- Leafs
- Holows
- Custom shapes

Kerf-slot  T-slot  Pocket-slot
## BUILD YOUR OWN SEAL:
### PRODUCT OPTIONS

### CLAD FT
The Clad FT liner is a low-friction / easy clean embossed PE film that is applied to the surface of the foam profiles:
- Low-friction surface
- Extremely low compression force
- Superior recovery performance
- UV stability
- Effectively closed cell structure
- Available in black, white and beige as standard
- Easy clean surface

### C2
The C2 weatherseal is manufactured from a soft compliant material enabling it to form a continuous corner whilst maintaining excellent sealing performance:
- Eliminates the need for welding or sealing mitred joints
- Easy to install – reduced costs and inventory
- Continuous seal – reduces air and water infiltration at corners and can be installed in one easy step continuously around the frame
- Soft TPV foam – low compression force
- Available in grey, black and beige as standard – custom colours available on request

### PRO SLIP COATING
Pro Slip is a set of high-density polyethylene stripes that are added to the surface of the weatherseal to reduce surface friction, it features:
- Low-friction surface
- Extremely low compression force
- Superior recovery performance
- UV stability
- Effectively closed cell structure to ensure water can’t penetrate
- Available in black, white and beige as standard – custom colours available on request
- Easy clean surface
FOAM-TITE:
EXAMPLE PROFILES

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

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

FT12300

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

FT12094

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

FT12299

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

FT32005

G: 5.3 mm
R: –
S: 1.5 – 2.75 mm

FT12274

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

FT12298

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

FT32316

G: 5.3 mm
R: –
S: 3.5 – 6.0 mm

FT12804

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

Schlegel