Q-LON SEALS
FOR TIMBER, PVCu AND ALUMINIUM
**Q-LON POLYURETHANE FOAM SEALS:**
FOR TIMBER, PVCu AND ALUMINIUM APPLICATIONS FOAM SEAL

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</table>
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>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category of Use</td>
<td>Working Range</td>
<td>Linear Compression Force</td>
<td>Working Temperature Range</td>
<td>Deflection Recovery</td>
<td>Recovery After Ageing</td>
</tr>
<tr>
<td>W = Weatherstrip 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>
</tr>
</tbody>
</table>

#### Grades

- **Grades**
  - 1: ≤ 1 mm
  - 2: >1 mm ≤2 mm
  - 3: >2 mm ≤3 mm
  - 4: >3 mm ≤4 mm
  - 5: >4 mm ≤5 mm
  - 6: >5 mm ≤6 mm
  - 7: >6 mm ≤7 mm
  - 8: >7 mm ≤8 mm
  - 9: >8 mm

- **Grades**
  - 1: ≤ 10 N/m
  - 2: >10 N/m ≤20 N/m
  - 3: >20 N/m ≤50 N/m
  - 4: >50 N/m ≤100 N/m
  - 5: >100 N/m ≤200 N/m
  - 6: >200 N/m ≤500 N/m
  - 7: >500 N/m ≤700 N/m
  - 8: >700 N/m ≤1000 N/m
  - 9: >1000 N/m

- **Grades**
  - 0: No Requirement
  - 1: >30% to 40%
  - 2: >40% to 50%
  - 3: >50% to 60%
  - 4: >60% to 70%
  - 5: >70% to 80%
  - 6: >80% to 90%
  - 7: >90%

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>
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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**Q-LON POLYURETHANE FOAM SEALS: COLOUR RANGE**

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

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

<table>
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<th>Colour</th>
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<tr>
<td>9003</td>
<td>White</td>
</tr>
<tr>
<td>7001</td>
<td>Silver Grey</td>
</tr>
<tr>
<td>8019</td>
<td>Brown</td>
</tr>
<tr>
<td>9005</td>
<td>Black</td>
</tr>
</tbody>
</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>
</tr>
</thead>
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<tr>
<td>1001</td>
<td>Beige</td>
</tr>
<tr>
<td>8003</td>
<td>Light Oak</td>
</tr>
<tr>
<td>8001</td>
<td>Ochre Brown</td>
</tr>
<tr>
<td>8007</td>
<td>Fawn Brown</td>
</tr>
<tr>
<td>8015</td>
<td>Chestnut Brown</td>
</tr>
<tr>
<td>9010</td>
<td>Pure White</td>
</tr>
<tr>
<td>7035</td>
<td>Light Grey</td>
</tr>
<tr>
<td>7032</td>
<td>Dark Grey</td>
</tr>
<tr>
<td>7024</td>
<td>Graphite Grey</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>
</tr>
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<tbody>
<tr>
<td>Heat conductivity</td>
<td>0.041 W/mK at 0 °C</td>
</tr>
<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>
</tr>
<tr>
<td>Melt Index Liner:</td>
<td>Approx. 0.85 g/10 min at 190 °C, 2.16 kg mass – 2.0MI</td>
</tr>
<tr>
<td>Thermal Conductivity Liner:</td>
<td>0.33 W/(m·K)</td>
</tr>
<tr>
<td>Thermal Conductivity Q-Lon Seal:</td>
<td>0.041 W/(m·K)</td>
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<tr>
<td>UV Resistance Liner:</td>
<td>8 GJ/m2</td>
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**UNIVERSAL SURFACE FITTING**

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<th>Rebate</th>
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### PVCU AND ALUMINIUM DOORS

#### Application Dimensions (mm)

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|                    | QL 69447 | 4,6 | 2,3 | 2,5 - 7,0 |
|                    | QL 69700 | 4,6 | 2,3 | 2,5 - 6,0 |
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### OTHER PVCU AND ALUMINIUM APPLICATIONS

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| **Type B (6,3 mm)** | QL 69700 | 3,8 | 2,3 | 2,3 - 4,0 |

| **Type B (6,3 mm)** | QL 6970 | 4,6 | 2,3 | 2,5 - 4,0 |
|                    | QL 69100 | 4,6 | 2,3 | 5,5 - 7,0 |
|                    | QL 69400 | 4,6 | 2,3 | 0,5 - 1,5 |
|                    | QL 69447 | 4,6 | 2,3 | 2,5 - 7,0 |
|                    | QL 69510 | 4,6 | 2,3 | 1,1 - 2,4 |
|                    | QL 69650 | 4,6 | 2,3 | 1,8 - 3,4 |
|                    | QL 69700 | 4,6 | 2,3 | 2,5 - 6,0 |
|                    | QL 69750 | 4,6 | 2,3 | 2,7 - 4,6 |
|                    | QL 69800 | 4,6 | 2,3 | 2,5 - 7,0 |
|                    | QL 69950 | 4,6 | 2,3 | 4,0 - 6,5 |
### INTERNAL DOORS

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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

W24276

QL 3059 UNTAPED

- Width: 10.8
- Height: 8.7
- Rebate: 11.0
- Seal gap: 3.0 – 5.5
- Packaging: 300 m x 2

W33266
**QL 3061**

- **UNTAPED**
- **Width:** 15,0
- **Height:** 12,0
- **Rebate:** 15,0
- **Seal gap:** 5,0 - 10,0
- **Packaging:** 250 m x 2

**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

**QL 1032**

- **TAPED**
- **Width:** 12,0
- **Height:** 12,0
- **Rebate:** 15,0
- **Seal gap:** 5,0 - 10,0
- **Packaging:** 250 m x 2 / 500 m x 2

**QL 3015 (AQ 122)**

- **TAPED**
- **Width:** 8,0
- **Height:** 4,0
- **Rebate:** 12,0
- **Seal gap:** 1,0 - 3,0
- **Packaging:** 250 m x 2 / 500 m x 2

**QL 3116**

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

**QL 3117**

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

**QL 3121**

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

**QL 3122**

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

**QL 3124**

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

**QL 3126**

- **TAPED**
- **Width:** 10,0
- **Height:** 3,0
- **Rebate:** 10,0
- **Seal gap:** 1,0 - 2,5
- **Packaging:** 700 m x 2
Q-OLON 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 3004 (AQ 99)
WINDOWS
```

**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 3005 (AQ 63)
WINDOWS
```

**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 3006 (AQ 89)
WINDOWS
```

**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

```
QL 3009 (AQ 21)
ENTRY DOORS / WINDOWS
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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

---

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

---

QL 3072  
**WINDOWS**

- Groove width: 2.7 - 3.2
- Min. groove depth: 6.5
- Rebate: 10.0
- Seal gap: 4.5 - 6.5
- Packaging: 300 m x 2

---

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

---

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

---

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

---

QL 3070  
**WINDOWS**

- 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

---

QL 3073  
**ENTRY DOORS**

- Groove width: 4.0 - 5.0
- Min. groove depth: 7.5
- Rebate: 8.0
- Seal gap: 3.0 - 6.0
- Packaging: 200 m x 2

---

QL 3076  
**WINDOWS**

- Groove width: 3.0 - 3.5
- Min. groove depth: 6.0
- Rebate: 10.0
- Seal gap: 2.0 - 3.0
- Packaging: 250 m x 2

---

QL 3078  
**ENTRY DOORS / WINDOWS**

- Groove width: 3.0 - 3.3
- Min. groove depth: 6.0
- Rebate: 4.0 - 7.5
- Seal gap: 4.0 - 7.5
- Packaging: 250 m x 2

---
<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Groove Width</th>
<th>Min. Groove Depth</th>
<th>Rebate</th>
<th>Seal Gap</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>QL 3079</td>
<td>ENTRY DOORS / WINDOWS</td>
<td>3.2 - 4.0</td>
<td>6.5</td>
<td>10.0</td>
<td>2.7 - 4.3</td>
<td>300 m x 2</td>
</tr>
<tr>
<td>QL 3082</td>
<td>WINDOWS</td>
<td>2.7 - 3.2</td>
<td>5.0</td>
<td>8.0</td>
<td>3.0 - 5.0</td>
<td>250 m x 2</td>
</tr>
<tr>
<td>QL 3091</td>
<td>ENTRY DOORS</td>
<td>4.0 - 5.0</td>
<td>7.5</td>
<td>15.0</td>
<td>4.0 - 8.0</td>
<td>150 m x 2; 400 m x 1</td>
</tr>
<tr>
<td>QL 3093</td>
<td>ENTRY DOORS</td>
<td>2.7 - 3.0</td>
<td>7.0</td>
<td>13.0</td>
<td>4.0 - 8.0</td>
<td>150 m x 2; 400 m x 1</td>
</tr>
<tr>
<td>QL 3094</td>
<td>ENTRY DOORS</td>
<td>2.7 - 3.2</td>
<td>6.5</td>
<td>10.0</td>
<td>3.0 - 6.0</td>
<td>250 m x 2</td>
</tr>
<tr>
<td>QL 3095</td>
<td>ENTRY DOORS</td>
<td>3.5 - 4.0</td>
<td>6.5</td>
<td>10.0</td>
<td>3.0 - 6.0</td>
<td>250 m x 2</td>
</tr>
<tr>
<td>QL 3096</td>
<td>ENTRY DOORS</td>
<td>4.0 - 5.0</td>
<td>7.5</td>
<td>12.0</td>
<td>3.0 - 6.0</td>
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<tr>
<td>QL 3097</td>
<td>ENTRY DOORS / WINDOWS</td>
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<td>7.5</td>
<td>18.0</td>
<td>3.5 - 6.0</td>
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<tr>
<td>QL 3098</td>
<td>ENTRY DOORS</td>
<td>3.0 - 4.0</td>
<td>7.5</td>
<td>14.0</td>
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<td>250 m x 2</td>
</tr>
<tr>
<td>QL 3099</td>
<td>ENTRY DOORS / WINDOWS</td>
<td>3.0 - 3.3</td>
<td>6.0</td>
<td>10.5</td>
<td>4.0 - 7.5</td>
<td>250 m x 2; 300 m x 2</td>
</tr>
</tbody>
</table>

**FOR TIMBER APPLICATIONS**

- [O] Suitable for centre seal
- [C] Suitable for overlap seal
- [F] Suitable for frame seal
- [S] Suitable for sash seal
**QL 3101**  
**WINDOWS**

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

---

**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

---

**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

---

**QL 3111**  
**WINDOWS**

Groove width: 3.5 - 4.0  
Min. groove depth: 7.0  
Rebate: 12.0  
Seal gap: 3.5 - 4.0  
Packaging: 200 m x 2

---

**QL 3112**  
**WINDOWS**

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

---

**QL 3131**  
**WINDOWS**

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

---

**QL 3136**  
**WINDOWS**

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

---

**QL 3139**  
**WINDOWS**

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
FOR TIMBER APPLICATIONS

- Suitable for centre seal
- Suitable for overlap seal
- Suitable for frame seal
- Suitable for sash seal

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 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

FOR TIMBER APPLICATIONS
**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

**Packaging:**

- 400 m x 2
- 800 m x 2

**W33266**

**QL 9608**

**Groove width:** 3.0

**Min. groove depth:** 6.5

**Rebate:** 10.0

**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**

**WINDOWS**

- 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

**Packaging:**

- 250 m x 2

**W33276**

**QL 9985**

**WINDOWS**

- 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

**Packaging:**

- 250 m x 2

**W35276**

**W35276**
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

**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 4870**
DOORS / WINDOWS
T-SLOT
TYPE A (5,3 MM)

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

**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

W25266
FOR PVCu APPLICATIONS

**QL 5985**
WINDOWS
POCKET-SLOT

- Throat width: 4.0
- Min. groove depth: 5.2
- Seal gap: 2.3 - 3.6
- Packaging: 250 m x 2

**QL 6493**
WINDOWS
POCKET-SLOT

- Throat width: 3.6
- Min. groove depth: 5.7
- Seal gap: 2.0 - 3.0
- Packaging: 300 m x 2

**QL 6571**
WINDOWS
POCKET-SLOT

- Throat width: 3.0
- Min. groove depth: 4.9
- Seal gap: 2.3 - 4.9
- Packaging: 250 m x 2

**QL 6750**
WINDOWS
POCKET-SLOT

- Throat width: 2.5
- Min. groove depth: 4.9
- Seal gap: 2.3 - 4.9
- Packaging: 250 m x 2

**QL 6970**
DOORS / WINDOWS
T-SLOT
TYPE C (7,5 MM)

- Retention slot throat: 4.6
- Min. slot depth: 2.3
- Seal gap: 2.5 - 4.0
- Packaging: 250 m x 2

**QL 6991**
WINDOWS POCKET-SLOT

- Throat width: 3.9
- Min. groove depth: 5.3
- Seal gap: 2.0 - 3.2
- Packaging: 250 m x 2 / 300 m x 2

**QL 7032**
DOORS / WINDOWS
POCKET-SLOT

- Throat width: 3.0
- Min. groove depth: 4.5
- Seal gap: 1.5 - 5.1
- Packaging: 200 m x 2
  400 m x 2

**QL 7307**
WINDOWS POCKET-SLOT

- Throat width: 3.2
- Min. groove depth: 4.8
- Seal gap: 2.8 - 4.4
- Packaging: 250 m x 2

**QL 9005**
WINDOWS
POCKET-SLOT

- Throat width: 2.4
- Min. groove depth: 5.2
- Seal gap: 2.5 - 4.1
- Packaging: 100 m x 2
  300 m x 2
  400 m x 2

**QL 9100**
WINDOWS POCKET-SLOT

- Throat width: 2.4
- Min. groove depth: 5.3
- Seal gap: 2.7 - 4.4
- Packaging: 250 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
W35276

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
W35276

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
W16266

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
W33266

QL 48650
WINDOWS
T-SLOT
TYPE A (5.3 MM)

Throat width: 3.2
Groove depth: 2.3
Seal gap: 1.8 - 3.4
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**
DOORS / 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

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

**QL 4636**
WINDOWS / OTHER 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 4870**
WINDOWS / DOORS / OTHER 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

**QL 6970**
WINDOWS / DOORS / OTHER T-SLOT TYPE C (7,5 MM)

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

**QL 48100**
WINDOWS / DOORS / OTHER 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
### T-Slot dimensions

<table>
<thead>
<tr>
<th>Pocket</th>
<th>3.2</th>
<th>5.3</th>
<th>6.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pocket A</td>
<td>6.6</td>
<td>5.3</td>
<td>4.6</td>
</tr>
<tr>
<td>Pocket B</td>
<td>6.6</td>
<td>5.3</td>
<td>4.6</td>
</tr>
<tr>
<td>Pocket C</td>
<td>6.6</td>
<td>5.3</td>
<td>4.6</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

#### 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 69300

- Throat width: 4.6
- Groove depth: 2.3
- Seal gap: 5.5 - 6.5
- Packaging: 200 m x 2

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

- Throat width: 4.6
- Groove depth: 2.8
- Seal gap: 6.5 - 7.0
- Packaging: 250 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: 2.5 - 6.0
- Packaging: 250 m x 2

#### QL 69950
WINDOWS / DOORS / OTHER 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
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
### QL 7066 (AQ 7066)
**FURNITURE**

- **Groove width**: 2,7 - 3,0
- **Min. groove depth**: 6,0
- **Seal gap**: 4,8 - 7,7
- **Packaging**: 400 m x 2, 800 m x 2

### QL 9111 (AQ 9111)
**FURNITURE**

- **Groove width**: 3,0 - 3,3
- **Min. groove depth**: 6,0
- **Seal gap**: 4,8 - 7,9
- **Packaging**: 300 m x 2

### QL 9915
**INTERNAL DOORS / FURNITURE**

- **Groove width**: 2,7 - 3,0
- **Min. groove depth**: 6,0
- **Rebate**: 11,0
- **Seal gap**: 2,5 - 4,5
- **Packaging**: 300 m x 2

### QL 9931
**INTERNAL DOORS / FURNITURE**

- **Groove width**: 3,0 - 3,5
- **Min. groove depth**: 6,5
- **Rebate**: 12,0
- **Seal gap**: 3,5 - 4,0
- **Packaging**: 200 m x 2

### QL 9985
**INTERNAL DOORS / FURNITURE**

- **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
## ACCESSORIES AND TOOLS:
### FOR Q-OLON POLYURETHANE FOAM SEALS

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

### 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 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>–</td>
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<td></td>
<td>MIS-9125</td>
<td>5,0</td>
<td>12,0</td>
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<tr>
<td></td>
<td>MIS-9184</td>
<td>4,0</td>
<td>18,0 – 20,0</td>
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<tr>
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<td>MIS-9185</td>
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<tr>
<td>QL 3053</td>
<td>MIS-9103</td>
<td>3,0</td>
<td>10,0</td>
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<tr>
<td>QL 3054</td>
<td>MIS-9093</td>
<td>3,0</td>
<td>–</td>
</tr>
<tr>
<td>QL 3070</td>
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</tbody>
</table>

<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>
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<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.
A GLOBAL PARTNER