Poly-Bond Brush Pile Seals and Sealing Profiles: for aluminium, PVC and timber applications

EFFECTIVE FLEXIBLE SEALING
**Poly-Bond Brush Pile Seals and Sealing Profiles:**
for aluminium, PVC and timber applications

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“**We continually invest** in our products, processes and technologies to find new ways of adding values and implementing new initiatives.”
Poly-Bond Brush Pile Seals: Effective flexible sealing

Schlegel International 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 9001:2008 and an Environmental Management System to ISO 14001:2004. Backed by our 10 year guarantee, original SCHLEGEL sealing products are always a safe choice.

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:
### Brush Pile Selector

<table>
<thead>
<tr>
<th>Product Application Area</th>
<th>Sliding Window</th>
<th>Sliding Door</th>
<th>Window Covering</th>
<th>Furniture</th>
<th>Base Width Min</th>
<th>Base Width Max</th>
<th>Brush Height Min</th>
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<th>Compression</th>
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<td><strong>WOVEN BASE</strong></td>
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<tr>
<td>Poly-Bond</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>4,8 / 6,7 / 6,9</td>
<td>4,0</td>
<td>20,0</td>
<td>15-20%</td>
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<tr>
<td>Fin-Seal</td>
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<td>–</td>
<td>4,8 / 6,7 / 6,9</td>
<td>4,0</td>
<td>20,0</td>
<td>5-15%</td>
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<td><strong>EXTRUDED BASE</strong></td>
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<tr>
<td>Power-Pile</td>
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<td>•</td>
<td>•</td>
<td>•</td>
<td>4,8 / 6,7 / 6,9</td>
<td>4,0</td>
<td>20,0</td>
<td>15-20%</td>
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</tr>
<tr>
<td>Fin-Pile</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>–</td>
<td>4,8 / 6,7 / 6,9</td>
<td>4,0</td>
<td>20,0</td>
<td>5-15%</td>
<td></td>
</tr>
<tr>
<td>G3</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>–</td>
<td>4,8 / 6,7 / 6,9</td>
<td>4,0</td>
<td>20,0</td>
<td>5-15%</td>
<td></td>
</tr>
<tr>
<td>Bi-Fin</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>–</td>
<td>4,8 / 6,7 / 6,9</td>
<td>4,0</td>
<td>20,0</td>
<td>5-15%</td>
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</tr>
<tr>
<td><strong>SPECIALS</strong></td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>Angle-Pile</td>
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<td>–</td>
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<td>–</td>
<td>4,8 / 6,9</td>
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<td>Dust-Plug</td>
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<td>80,0</td>
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<td>25,0</td>
<td>5-20%</td>
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<tr>
<td>Shutter-Pile</td>
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<td>–</td>
<td>•</td>
<td>–</td>
<td>4,8 / 6,7 / 6,9</td>
<td>4,0</td>
<td>20,0</td>
<td>15-20%</td>
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<tr>
<td>Skirting Fringe</td>
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<td>•</td>
<td>•</td>
<td>–</td>
<td>2,7 / 2,9 / 3,1 / 3,3</td>
<td>5,0</td>
<td>30,0</td>
<td>15-20%</td>
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<tr>
<td></td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>–</td>
<td>2,7 / 2,9 / 3,1 / 3,3</td>
<td>5,0</td>
<td>30,0</td>
<td>15-20%</td>
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Poly-Bond brush pile in aluminium sliding window
## 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>
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<tbody>
<tr>
<td>90º</td>
<td>Multi</td>
<td>4P</td>
<td>Option</td>
<td>–</td>
<td>–</td>
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<tr>
<td>90º</td>
<td>Multi</td>
<td>4P</td>
<td>Option</td>
<td>Centre</td>
<td>0 / 1</td>
<td>–</td>
<td>7</td>
</tr>
<tr>
<td>90º</td>
<td>Multi</td>
<td>3P / 4P</td>
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<td>–</td>
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<tr>
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<td>Option</td>
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<td>0</td>
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<td>9</td>
</tr>
<tr>
<td>90º</td>
<td>Multi</td>
<td>2P / 3P</td>
<td>Option</td>
<td>Centre</td>
<td>0 / 1</td>
<td>•</td>
<td>10</td>
</tr>
<tr>
<td>90º</td>
<td>Multi</td>
<td>3P</td>
<td>Option</td>
<td>Lateral</td>
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<td>11</td>
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<tr>
<td>35º / 45º / 60º</td>
<td>Mono</td>
<td>24</td>
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<td>–</td>
<td>–</td>
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<tr>
<td>90º</td>
<td>Multi / Mix</td>
<td>8P – 64P</td>
<td>Option</td>
<td>Option</td>
<td>Option</td>
<td>–</td>
<td>13</td>
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<tr>
<td>90º</td>
<td>Mono and Multi</td>
<td>2P / 3P</td>
<td>Option</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>14</td>
</tr>
<tr>
<td>90º</td>
<td>Mono</td>
<td>24</td>
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<td>–</td>
<td>–</td>
<td>•</td>
<td>15</td>
</tr>
<tr>
<td>90º</td>
<td>Multi</td>
<td>4P / 5P</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>•</td>
<td>15</td>
</tr>
</tbody>
</table>

For more details and options see the rest of this brochure, consult www.schlegel.com or contact Schlegel.

Dust-Plug in corner section of aluminium sliding door
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.

Technical specification

STANDARD SOLUTIONS
A Backing width
- 4,8 +0,10/-0,15 mm
- 6,7 +0,10/-0,20 mm
- 6,9 +0,10/-0,20 mm
With optional hot-melt adhesive (HM)
B Backing thickness
- 0,8 ± 0,15 mm
C Pile base width
- 2,4 ± 0,3 mm
D Brush height
- 4,0 ≤ H ≤ 8,0 mm (+0,20/-0,15 mm) with 0,50 mm intervals
- 8,0 < H ≤ 20,0 mm (+0,20/-0,15 mm) with 1,00 mm intervals
E Brush density (P) in 2 lines (L)
- 4P
Multifilament pile yarn colours
- Black (= RAL 9005)
- Grey (= RAL 7045)

CUSTOMER SPECIFIC SOLUTIONS
A Backing width
- 3,0 ≤ W ≤ 5,6 mm (+0,10/-0,15 mm) with 0,1 mm intervals
- 5,6 < W ≤ 35,0 mm (+0,10/-0,20 mm) with 0,1 mm intervals
With optional hot-melt adhesive (HM)
B Backing thickness
- 0,8 - 1,0 ± 0,15 mm
C Pile base width
- 2P1L and 3P1L: 1,2 ± 0,3 mm
- 2P2L and 4P2L: 2,4 ± 0,3 mm
- 5P3L: 2,4 ± 0,3 mm
- 6P3L: 3,6 ± 0,3 mm
- 8P4L: 4,8 ± 0,3 mm
D Brush height
- 3,0 ≤ H ≤ 8,0 mm (+0,20/-0,15 mm) with 0,25 mm intervals
- 8,0 < H ≤ 10,0 mm (+0,20/-0,15 mm) with 0,5 mm intervals
- 10,0 < H ≤ 25,0 mm (+0,20/-0,15 mm) with 1,0 mm intervals
E Brush density (P) in line (L)
- See C
Multifilament pile yarn colours

Recommended compression:
- Standard (without fins): 15-20%
- Customer specific solutions:

Other configurations upon request
**Fin-Seal (FS):**
Woven Brush Pile Seals

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

**Technical specification**

**STANDARD SOLUTIONS**

A  Backing width  
- 4,8 +0,10/-0,15 mm  
- 6,7 +0,10/-0,20 mm  
- 6,9 +0,10/-0,20 mm  

With optional hot-melt adhesive (HM)

B  Backing thickness  
- 0,8 ± 0,15 mm

C  Pile base width  
- 2,4 ± 0,3 mm

D  Brush height  
- 4,0 ≤ H ≤ 8,0 mm (+0,20/-0,15 mm) with 0,50 mm intervals  
- 8,0 < H ≤ 20,0 mm (+0,20/-0,15 mm) with 1,0 mm intervals

E  Fin height (≥ 5 mm)  
- level with pile height  
- 1 mm above pile height

F  Brush density (P) in 2 lines with centre fins  
- 4P

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

**CUSTOMER SPECIFIC SOLUTIONS**

A  Backing width  
- 4,0 ≤ W ≤ 5,6 mm (+0,10/-0,15 mm) with 0,1 mm intervals  
- 5,6 < W ≤ 35,0 mm (+0,10/-0,20 mm) with 0,1 mm intervals  

With optional hot-melt adhesive (HM)

B  Backing thickness  
- 0,8 – 1,0 ± 0,15 mm

C  Pile base width  
- 2,4 ± 0,3 mm

D  Brush height  
- 3,0 ≤ H ≤ 8,0 mm (+0,20/-0,15 mm) with 0,25 mm intervals  
- 8,0 < H ≤ 10,0 mm (+0,20/-0,15 mm) with 0,5 mm intervals  
- 10,0 < H ≤ 25,0 mm (+0,20/-0,15 mm) with 1,0 mm intervals

E  Fin height (≥ 5 mm)  
- See D  
- H ≥ 15 mm: uneven

F  Brush density (P) in 2 lines with centre fins  
- 4P

Multifilament pile yarn colours
- ≈ RAL Colour  
- 1011 Beige 7045  
- 1015 Ivory 8008  
- 1032 Dark gold 8014  
- 7039 Quartz grey 8025

≈ RAL Colour  
- 7045 Grey 8028 Brown

≈ RAL Colour  
- 9003 White

≈ RAL Colour  
- 9005 Black

≈ RAL Colour  
- 9006 Pale brown

Other configurations upon request  
- Quiet black non-woven (NW) fins

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

Technical specification
STANDARD SOLUTIONS
A Base width

<table>
<thead>
<tr>
<th>Width</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,8 ± 0,2 mm</td>
<td></td>
</tr>
<tr>
<td>6,7 ± 0,2 mm</td>
<td></td>
</tr>
<tr>
<td>6,9 ± 0,2 mm</td>
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</tr>
</tbody>
</table>

With optional hot-melt adhesive (HM)

B Base thickness

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>0,65 ± 0,1 mm</td>
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</tbody>
</table>

C Directors width

<table>
<thead>
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<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,5 ± 0,3 mm</td>
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</tbody>
</table>

D Directors height

<table>
<thead>
<tr>
<th>Height</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4 ± 0,3 mm</td>
<td></td>
</tr>
</tbody>
</table>

E Brush height

<table>
<thead>
<tr>
<th>Height</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,0 ± H ≤ 8,0 mm (+0,20/-0,15 mm)</td>
<td>0,50 mm intervals</td>
</tr>
<tr>
<td>8,0 &lt; H ≤ 20,0 mm (+0,20/-0,15 mm)</td>
<td>1,0 mm intervals</td>
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F Brush density (P) in 1 line

<table>
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<th>Density</th>
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<tr>
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<tr>
<td>4P</td>
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Multifilament pile yarn colours

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

CUSTOMER SPECIFIC SOLUTIONS
A Base widths

<table>
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<tr>
<th>Width</th>
<th>Tolerance</th>
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<tbody>
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<td>3,5 ≤ W &lt; 15,0 ± 0,2 mm</td>
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With optional hot-melt adhesive (HM)

B Base thickness

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<th>Thickness</th>
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<tbody>
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<td>0,65 – 1,00 ± 0,1 mm</td>
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C Directors width

<table>
<thead>
<tr>
<th>Width</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,5 ± 0,3 mm</td>
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</table>

D Directors height

<table>
<thead>
<tr>
<th>Height</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
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E Brush height

<table>
<thead>
<tr>
<th>Height</th>
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<tbody>
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<td>3,0 ≤ H ≤ 8,0 mm (+0,20/-0,15 mm) with 0,25 mm intervals</td>
<td></td>
</tr>
<tr>
<td>8,0 &lt; H ≤ 10,0 mm (+0,20/-0,15 mm) with 0,5 mm intervals</td>
<td></td>
</tr>
<tr>
<td>10,0 &lt; H ≤ 25,0 mm (+0,20/-0,15 mm) with 1,0 mm intervals</td>
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F Brush density (P) in 1 line

<table>
<thead>
<tr>
<th>Density</th>
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<tr>
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<tr>
<td>3P</td>
</tr>
<tr>
<td>4P</td>
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<tr>
<td>5P</td>
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Multifilament pile yarn colours

<table>
<thead>
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<th>Colour</th>
<th>RAL Colour</th>
<th>Colour</th>
<th>RAL Colour</th>
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<tr>
<td>1011 Beige</td>
<td>7045</td>
<td>Grey</td>
<td>8028</td>
<td>Brown</td>
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<tr>
<td>1015 Ivory</td>
<td>8008</td>
<td>Dark beige</td>
<td>9003</td>
<td>White</td>
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<tr>
<td>1032 Dark gold</td>
<td>8014</td>
<td>Sepia brown</td>
<td>9005</td>
<td>Black</td>
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<tr>
<td>7039 Quartz grey</td>
<td>8025</td>
<td>Pale brown</td>
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</table>

Other configurations upon request

Recommended compression:
- 15-20% (without fins)
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. 2 clear centre fins keep brush visually intact while providing improved weather sealing for sliding windows and doors. Optional adhesive backing.

**Technical specification**

**STANDARD SOLUTIONS**

A. Base width
- 4.8 ± 0.2 mm
- 6.7 ± 0.2 mm
- 6.9 ± 0.2 mm

With optional hot-melt adhesive (HM)

B. Base thickness
- 0.65 ± 0.1 mm

C. Directors width
- 2.6 ± 0.3 mm

D. Directors height
- 2.4 ± 0.3 mm

E. Brush height
- 4.0 ≤ H ≤ 8.0 mm (+0.20/-0.15 mm) with 0.50 mm intervals
- 8.0 < H ≤ 20.0 mm (+0.20/-0.15 mm) with 1.0 mm intervals

F. Brush density (P) in 2 lines with centre fins
- 2P

G. Fin height (≥ 5 mm)
- 0 mm level with pile height

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

Recommended compression:
- With level or lower fins: 10-15%
- With higher fins: 5-10%

**CUSTOMER SPECIFIC SOLUTIONS**

A. Base widths
- 3.5 ≤ W < 15.0 ± 0.2 mm

With optional hot-melt adhesive (HM)

B. Base thickness
- 0.65 – 1.00 ± 0.1 mm

C. Directors width
- 2.6 ± 0.3 mm

D. Directors height
- 2.4 ± 0.3 mm

E. Brush height
- 3.0 ≤ H ≤ 8.0 mm (+0.20/-0.15 mm) with 0.25 mm intervals
- 8.0 < H ≤ 10.0 mm (+0.20/-0.15 mm) with 0.5 mm intervals
- 10.0 < H ≤ 25.0 mm (+0.20/-0.15 mm) with 1.0 mm intervals

F. Brush density (P) in 2 lines with centre fins
- 2P

G. Fin height (≥ 5 mm)
- See E
- H ≥ 15 mm: uneven

Multifilament pile yarn colours

<table>
<thead>
<tr>
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</table>

Other configurations upon request
- Quiet black non-woven (NW) fins
G3: Extruded Brush Pile Seals

Soft silicone treated multifilament yarn on an extruded base. Guaranteed on centre pile, more suitable for machine insertion. With 2 clear centre fins for improved weather sealing of sliding windows and doors. Optional adhesive backing.

Technical specification

STANDARD SOLUTIONS
A Backing width
- 4,8 ± 0,2 mm
- 6,7 ± 0,2 mm
- 6,9 ± 0,2 mm
With optional hot-melt adhesive (HM)
B Backing thickness
- 0,65 ± 0,1 mm
C Directors width
- 2,4 ± 0,2 mm
D Directors height
- 2,1 ± 0,2 mm
E Brush height
- 4,0 ≤ H ≤ 8,0 mm (+0,20/-0,15 mm) with 0,50 mm intervals
- 8,0 ≤ H ≤ 20,0 mm (+0,20/-0,15 mm) with 1,0 mm intervals
F Fin height (≥ 5 mm)
- 0 mm level with pile height
- 1 mm above pile height
G Brush density (P) in 1 line
- 2P
- 3P
Multifilament pile yarn colours
- Black (= RAL 9005)
- Grey (= RAL 7045)

Recommended compression:
- With level or lower fins: 10-15%
- With higher fins: 5-10%

CUSTOMER SPECIFIC SOLUTIONS
A Backing widths
- 3,5 ≤ W < 15,0 ± 0,2 mm
With optional hot-melt adhesive (HM)
B Backing thickness
- 0,65 – 1,00 ± 0,1 mm
C Directors width
- 2,4 ± 0,2 mm
D Directors height
- 2,1 ± 0,2 mm
E Brush height
- 3,0 ≤ H ≤ 8,0 mm (+0,20/-0,15 mm) with 0,25 mm intervals
- 8,0 < H ≤ 10,0 mm (+0,20/-0,15 mm) with 0,5 mm intervals
- 10,0 < H ≤ 25,0 mm (+0,20/-0,15 mm) with 1,0 mm intervals
F Fin height (≥ 5 mm)
- See E
- H ≥ 15 mm: uneven
G Brush density (P) in 1 line
- 2P
- 3P
Multifilament pile yarn colours
- Approx. RAL Colour
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</table>

Other configurations upon request
- Quiet black non-woven (NW) fins
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. 2 clear lateral fins allow for side protection of the yarn and improve weather sealing of sliding applications. Optional adhesive backing.

**Technical specification**

**STANDARD SOLUTIONS**

A Base width
- $4,8 \pm 0,2$ mm
- $6,7 \pm 0,2$ mm
- $6,9 \pm 0,2$ mm

With optional hot-melt adhesive (HM)

B Base thickness
- $0,65 \pm 0,1$ mm

C Directors width
- $2,4 \pm 0,2$ mm

D Directors height
- $2,6 \pm 0,3$ mm

E Brush height
- $4,0 \leq H \leq 8,0$ mm ($+0,20/-0,15$ mm) with 0,50 mm intervals
- $8,0 < H \leq 20,0$ mm ($+0,20/-0,15$ mm) with 1,0 mm intervals

F Brush density (P) in 1 line with lateral fins
- $3P$

G Fin height ($\geq 5$ mm)
- 0 mm level with pile height

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

**CUSTOMER SPECIFIC SOLUTIONS**

A Base widths
- $3,5 \leq W < 15,0 \pm 0,20$ mm

With optional hot-melt adhesive (HM)

B Base thickness
- $0,65 – 1,00 \pm 0,1$ mm

C Directors width
- $2,6 \pm 0,3$ mm

D Directors height
- $2,4 \pm 0,3$ mm

E Brush height
- $3,0 \leq H \leq 8,0$ mm ($+0,20/-0,15$ mm) with 0,25 mm intervals
- $8,0 < H \leq 10,0$ mm ($+0,20/-0,15$ mm) with 0,5 mm intervals
- $10,0 < H \leq 25,0$ mm ($+0,20/-0,15$ mm) with 1,0 mm intervals

F Brush density (P) in 1 line with lateral fins
- $3P$

G Fin height ($\geq 5$ mm)
- See E

Multifilament pile yarn colours

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Other configurations upon request
- Quiet black non-woven (NW) fins
Angle-Pile (AP): Extruded Bristle Seals

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.

**Technical specification**

**STANDARD SOLUTIONS**

A Angles
- 35 ± 5°
- 45 ± 5°
- 60 ± 5°

B Base width
- 4,8 ± 0,2 mm
- 6,9 ± 0,2 mm
- 0,65 ± 0,15 mm

C Brush height
- 9,0 ≤ H ≤ 12,0 ± 0,5 mm with 0,50 mm intervals
- 12,0 < H ≤ 22,0 ± 0,5 mm with 1,0 mm intervals
- Brush density in 1 line
  - 24

Monofilament pile yarn colours
- Black (≈ RAL 9005)
- Natural

**CUSTOMER SPECIFIC SOLUTIONS**

A Angles
- 35 ± 5°
- 45 ± 5°
- 60 ± 5°

B Base widths
- 4,8 ± 0,2 mm
- 6,9 ± 0,2 mm
- 0,50 – 0,65 ± 0,15 mm

C Brush height
- 5,0 ≤ H ≤ 12,0 ± 0,5 mm with 0,25 mm intervals
- 12,0 < H ≤ 30,0 ± 0,5 mm with 1,0 mm intervals
- Brush density in 1 line
  - 18
  - 24

Monofilament pile yarn colours
- Black (≈ RAL 9005)
- Grey (≈ RAL 7045)
- Natural

Other configurations upon request
- Removable or locked-in pile binder thread
- Alternative yarn colours

Recommended compression:
- 15-20%
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, soft backing, fins and untreated monofilament edges.

Technical specification
CUSTOMER SPECIFIC SOLUTIONS

A. Base width
   - 10 ≤ W ≤ 80 ± 0,5 mm with 0,5 mm intervals
   With optional hot-melt adhesive (HM)

B. Backing thickness
   - 0,8 ± 0,15 mm

C. Pile base width
   - 10 ≤ W ≤ 55 ± 1,0 mm

D. Brush and optional centre fin height
   - 3,0 ≤ H ≤ 12,0 mm (+0,20/-0,15 mm) with 0,25 mm intervals
   - 12,0 < H ≤ 25,0 mm (+0,20/-0,15 mm) with 1,0 mm intervals
   - Fin H ≥ 5 mm
   - Fin H ≥ 15 mm: uneven

E. Brush density
   - 8P - 64P

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

Multifilament pile yarn colours

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Monofilament pile yarn colours
- Black (≈ RAL 9005)
- Grey (≈ RAL 7045)
- Natural

Other configurations upon request:
- Soft backing
- Clear fins, alternatively quiet black non-woven (NW) fins
- Double or triple fins
- Strengthening monofilament edges
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.

Technical specification

STANDARD SOLUTIONS

A Backing width
- 4.8 +0,10/-0,15 mm
- 6.7 +0,10/-0,20 mm
- 6.9 +0,10/-0,20 mm
With optional hot-melt adhesive (HM)

B Backing thickness
- 0.8 ± 0.15 mm

C Pile base width
- 1.6 ± 0.3 mm

D Brush height
- 4.0 ≤ H ≤ 8.0 mm (+0,20/-0,15 mm) with 0,50 mm intervals
- 8.0 < H ≤ 20.0 mm (+0,20/-0,15 mm) with 1,0 mm intervals

E Brush density (P) in line (L) with monofilament (M)
- 2P1L1M
- 3P1L1M

Multifilament yarn colours
- Black (~ RAL 9005)
- Grey (~ RAL 7045)

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

Recommended compression:
- Standard (without fins): 15-20%

CUSTOMER SPECIFIC SOLUTIONS

A Backing width
- 3.0 ≤ W ≤ 5.6 mm (+0,10/-0,15 mm) with 0,1 mm intervals
- 5.6 < W ≤ 35,0 mm (+0,10/-0,20 mm) with 0,1 mm intervals
With optional hot-melt adhesive (HM)

B Backing thickness
- 0.8 – 1,0 ± 0.15 mm

C Pile base width
- 2P1L1M, 3P1L1M and 4P1L1M: 1,6 ± 0,3 mm
- 4P2L1M: 2,4 ± 0,3 mm
- 4P3L1M: 3,9 ± 0,3 mm
- 6P3L1M: 3,6 ± 0,3 mm
- 8P4L1M: 4,8 ± 0,3 mm

D Brush height
- 3,0 ≤ H ≤ 8,0 mm (+0,20/-0,15 mm) with 0,25 mm intervals
- 8,0 < H ≤ 10,0 mm (+0,20/-0,15 mm) with 0,5 mm intervals
- 10,0 < H ≤ 25,0 mm (+0,20/-0,15 mm) with 1,0 mm intervals

E Brush density (P) in line (L) with monofilament (M)
- See C

Multifilament pile yarn colours

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Monofilament pile yarn (ø 0.20 mm) colours
- Black (~ RAL 9005)
- Grey (~ RAL 7045)
- Natural

Other configurations upon request
- Monofilament pile yarn ø 0.30 mm
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.

**Technical specification**

**STANDARD SOLUTIONS**
- **Base width**
  - Square 2,7 ± 0,15 mm
  - Square 2,9 ± 0,15 mm
  - Square 3,1 ± 0,15 mm
  - Square 3,3 ± 0,15 mm
  - Round 2,7 ± 0,15 mm
  - Round 2,9 ± 0,15 mm
  - Round 3,1 ± 0,15 mm
  - Round 3,3 ± 0,15 mm
- **Brush height**
  - 5,0 ≤ H ≤ 30,0 ± 0,5 mm with 1,0 mm intervals
- **Monofilament density in 1 line:**
  - 24
- **Monofilament pile yarn colours**
  - Black (≈ RAL 9005)
  - Natural
- **Multifilament density (P) in 1 line**
  - 2P
  - 3P
  - 4P
  - 5P
- **Multifilament pile yarn colours**
  - Black (≈ RAL 9005)
  - Grey (≈ RAL 7045)

**CUSTOMER SPECIFIC SOLUTIONS**
- **Base width**
  - Minimum 2,5 mm
- **Brush height**
  - 5,0 ≤ H ≤ 30,0 ± 0,5 mm with 0,25 mm intervals
  - 10,0 < H ≤ 30,0 ± 0,5 mm with 1,0 mm intervals
- **Monofilament density in 1 line:**
  - 18
  - 24
- **Monofilament pile yarn colours**
  - Black (≈ RAL 9005)
  - Grey (≈ RAL 7045)
  - Natural
- **Multifilament density (P) in 1 line**
  - 2P
  - 3P
  - 4P
  - 5P
- **Multifilament pile yarn colours**

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Other configurations upon request.
Poly-Bond Extruded 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
For kerf-slot fitting

**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 1001 (EX 001)**
Sliding timber window brush seal
Groove width: 3,0
Min. groove depth: 6,0
Rebate: 9,5
Seal gap: 4,0 - 15,0
Packaging: 150 m x 1

**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: 11,8
Seal gap: 4,0 - 15,0
Packaging: 100 m x 1

**PB 1018 (EX 0018)**
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: 7,0
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

**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

PB = Poly-Bond brush pile seals on extruded ABS, PP or PVC carrier
F = Suitable for frame seal
S = Suitable for sash seal
For brush pile seals

**LV 3015**  
L-profile carrier  
7 x 26 with 4,8 brush insert  
Packaging: 2,6 m x 100

**LV 3016**  
L-profile carrier  
10 x 26 with 6,9 brush insert  
Packaging: 1,0 m x 100

**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 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 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
Schlegel brush pile seals are made from virgin polypropylene (PP) yarn. Grey, black and natural (monofilament only) are the main standard colours:

Grey

Black

Further 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.

White

Beige

Dark Beige

Quartzo Grey

Ivory

Pale Brown

Brown

Dark Brown

For standard available colours per specific item please refer to the previous pages in this brochure, to the Schlegel Extruded Seals brochure or to the customer drawings available separately on our website.

Hardware Range

Complete and enrich your aluminium windows and doors with high quality hardware from GiESSE. The entire range offers products for many different applications. More info is available via www.giesse.it.