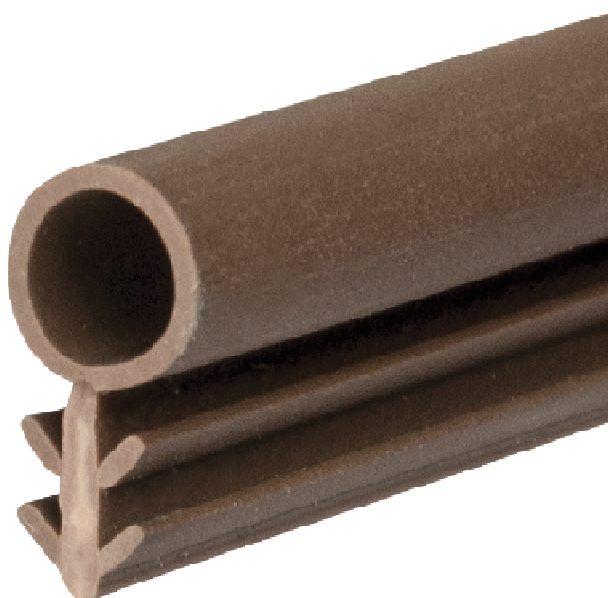


Bubble Seal – SSM005 / SSM006 / SSM008

Product Intro:

Reddiseals supply a tried and tested range of ultra performance timber bubble seals. Taking advantage of the properties of our Silplex material the Bubble Seal demonstrates excellent deflection recovery, high performance, high tear strength and good acoustic properties. Fitted directly into the timber frame beading it provides excellent draft and weatherproofing. Ideal for timber casement windows, it can be used on the top or bottom of sashes if required. It is UV and Ozone stable and easy to clean and maintain. Available in 5mm, 6mm and 8mm bubble sizes, it is supplied in 50m coils. It is available in white, brown and black.

Product:



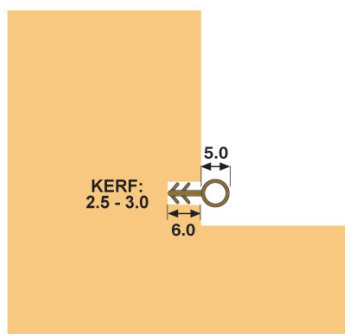
Features:

- Rigid foot is manufactured from Polypropylene and the bubble is manufactured from Silplex (TPE).
- Available in 5mm, 6mm and 8mm Bubble sizes.
- 5mm Bubble - seals a gap: 2.0 – 4.0mm.
- 6mm Bubble - seals a gap: 2.0 – 5.0mm.
- 5mm Bubble - seals a gap: 3.0 – 7.0mm.
- Designed for grooves 2.5mm – 3.0mm wide x 6mm deep – use router cutter TCT073.
- Polypropylene foot adds rigidity to the insertion and retention of the seal. Flexible fins “spread” into the groove to keep it in place.
- May also be used in door applications.
- Can be used to seal the top and bottom of a sash window.
- Simply push fit into the groove.
- Resilient to most paints and varnishes.
- Demonstrates high tear strength, which is important for a bubble application.
- High performance over extreme temperatures, resistant to cracking and distortion.
- Excellent deflection recovery.
- The bubble has a greater contact area with the window, than a flipper seal.
- Reduced opening and closing forces on the window.
- UV and Ozone stable.
- Good acoustic properties.

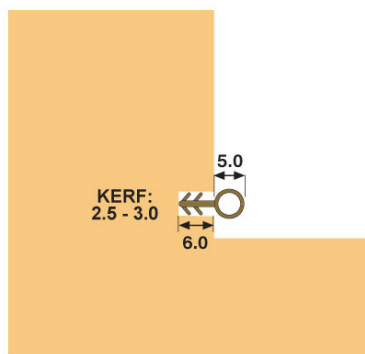
Product data:

- Fits into a channel 2.5 – 3.0 (wide) x 6.0mm (deep).
- Fits into the inside of the timber beading of a casement window frame.
- Supplied in White, Black or Brown.
- Supplied in 50m coils on a rigid cardboard reel.

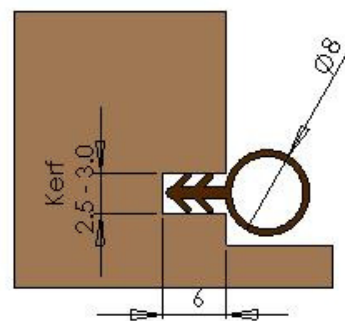
5mm Bubble:



6mm Bubble:



8mm Bubble:



Technical data:

Polypropylene (Properties may vary depending upon the application)

Property	Unit	Result
Relative Density	G/cm ³	0.91
Vicat Softening Point (B)	° C	154
Heat Deflection Temperature	° C	91
Charpy Notched impact Strength	KJ/m ²	50
Tensile strength	MPa	27
Flexural Modulus (23°C)	MPa	1300
Coefficient of Thermal Expansion	° C	6 x 10(-5)
Thermal Conductivity @ 23° C	W / M-K	0.16
Elongation at Break	%	20 - 40

Silplex - TPE (Properties may vary depending upon the application)

Property	Unit	Result
Relative Density	G/cm ³	1.13
Hardness	Shore A	43
Tensile strength	MPa	6.6
Tear Strength	N/mm	23
Compression Set 22hr / 70°	%	34
Wear Resistance	mm ³	320
Elongation at Break	%	520

Life Cycle – 10 years, provided the seal is installed in accordance with the requirements given in the data sheet.

Installation Instructions:

1. Measure the gap between the opener and the frame and select the seal based on the sealed gap size.
2. Measure the timber to determine the length of seal required.
3. If there is no channel for the seal, rout out a channel, using Reddiseals router bit TCT073
4. Cut the seal to the required length using Reddiseals cutters, remembering to mitre in the corners.
5. Make sure the surface is clean and dry and free from any surface oils, dirt or sawdust etc.
6. Push fit the foot into the routed groove, making sure it is a good tight fit.
7. Test the window to make sure there is a smooth opening and closing movement.

Maintenance and Installation:

General:

Reddiseals recommend that all Seals are checked prior to and in situ to ensure that the product performs in its application.

During the drying phase of new buildings or renovations where large amounts of plastering or cement based flooring has been installed, water vapour evaporates into the air along with some of the chemicals, causing extremely high humidity levels. This can damage the finishes and corrode the exposed metal. We recommend that the windows are protected as best as possible and are well ventilated.

Please be wood aware. Certain woods, such as Accoya and Oak, are corrosive to most fixings and metals. Do not use brass or steel fixings with Accoya. Certain hardwoods may exude resins that can be corrosive to the brass or steel fixings, leading to a possible loss of functionality of the product. We recommend good quality wood screws for the fixings, and stainless steel for coastal regions, Accoya and Oak. If in doubt, contact our technical team at Reddiseals for further guidance.

Installation:

The seal is a simple push fit into the groove and fits alongside the bead or overlap of the window. A roller can be used to roll the seal into the groove to aid insertion. Please make sure not to damage the seal while doing this.

Maintenance:

DO NOT use any chemical cleaner, because harmful chemicals may attack the plastic, and break it down – Use a cloth soaked in warm soapy water, squeezing out any excess water, then wipe with a clean and dry cloth to remove any remaining water. Clean the timber on the window that the seal contacts in case this has marked the paintwork.

In harsh or coastal environments, it is recommended that our products are cleaned more regularly to prevent harmful deposits, such as salt build-up, settling on the seals and leading to loss of performance. All of our products are manufactured using high quality materials. The finishes have been tested and meet our standards for general wear and tear.

Seals in bathrooms and kitchens may be subject to a damper and more humid atmosphere, and may need more regular maintenance than living rooms.

Never use a solvent spray such as WD40 to remove in-ground dirt, because this can affect the performance of the seal and / or the paintwork on the window.

Quality & Environmental Approval:

Reddiseals operates a Quality Management System that meets the requirements of ISO 9001:2008 and is independently verified by BSI Quality Assurance under certificate No. FM10371.

Reddiseals have an Environmental Management System (EMS) that has been certified against the international standard ISO 14001:2004 under certificate no. EMS637894.

Product Guarantee:

Reddiseals offers a guarantee on the Bubble Seal, covering product failure due to manufacturing defects, under normal usage is a period of 10 years from date of purchase. The guarantee excludes incorrect maintenance or operation, misuse and abuse, negligence, accidental damage or general wear and tear. Products must not be modified from their original supplied state. Failure to follow these instructions may invalidate your guarantee. For more detailed information, please see our terms and conditions on our website.

www.reddiseals.com/terms-and-conditions

Other Information:

The information contained herein is correct to the best of our knowledge. Due to the hand finishing nature of some of our products, some variations may occur in the size or finish. Prior to purchasing it is recommended that existing standards and regulations are observed. If you have any queries on the correct product for application, please do not hesitate to contact our technical team. Due to our policy of continuous improvement, Reddiseals reserves the right to amend specifications without prior notice.