

## Centre Leg Pile Carrier for 2.5mm Groove – PC 521-4

### Product Intro:

The centre leg pile carriers are recommended within the industry and made to the highest possible standards in our own factories. The carrier fits "flush" into an 8.0 x 8.5mm ("T" shaped) channel by pushing the leg into the 2.7mm wide groove. The Carrier is available on its own or supplied with pre-inserted Weatherpile in either 5.5mm or 8.5mm heights. It is UV stable and easy to clean and maintain. This is widely used in manufactured windows and is also a good option for refurb jobs. The carrier is sold in 2.2m lengths and is supplied individually or in tubes of 50. It is available in white or brown. The Carrier with pile is available in 2.2m lengths with pre-inserted pile in 5.5mm or 8.5mm heights, individually or in tubes of 50. The pre-inserted carrier is only available in white. Use Router bit TCT074 to cut the channel.

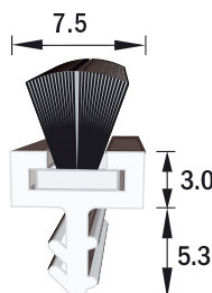
### Product:



### Features:

- Manufactured from PVC, which is a cost-effective material.
- The centre leg fits tightly into a 2.7mm wide groove with the top face fitting flush to the timber.
- Excellent product for the manufacturing process.
- A good option for refurbishment jobs.
- PVC can be manufactured to a tight tolerance.
- Fits into a "T shaped" channel 8.0 (wide) x 8.5mm (deep)
- Fits onto the sash - Meeting, top, bottom and side.
- Can be used to seal all around the window frame.
- Push fit into the groove. Creates a tight fit so the carrier cannot move.
- Carrier can be painted over.
- Demonstrates good strength, toughness, hardness and durability in its application.
- PVC is a material that can be re-cycled.
- The carrier is UV stable.

### Product data:



**Product Data (contd.):**

Code	Description	Unit
PC521	Carrier - White	Tube of 50
PC522	Carrier - Brown	Tube of 50
PC525	Carrier - White	Tube of 250
PC523	Carrier - White	Each
PC524	Carrier - Brown	Each
CW503	Carrier with 5.5mm Pile - White	Tube of 50
CW504	Carrier with 8.5mm Pile - White	Tube of 50
CW513	Carrier with 5.5mm Pile - White	Each
CW514	Carrier with 8.5mm Pile - White	Each

**Technical data: (Properties may vary depending upon the application)**

Property	Unit	Result
Relative Density	G/cm <sup>3</sup>	1.48 / 1.50
Vicat Softening Point (B)	° C	78 - 79
Heat Deflection Temperature	° C	47
Rockwell Hardness (R scale)	deg	115
Young's Modulus	Gpa	~2.5
Tensile strength	Mpa	40 - 42
Coefficient of Thermal Expansion	° C	6 x 10 <sup>(-5)</sup>
Thermal Conductivity @ 23° C	W / M-K	0.16
Water absorption	%	<0.1
Elongation at Break	%	20 - 40

**Polypropylene Weatherpile:**

Base is made from polypropylene.

The pile is made from polypropylene yarn.

The yarn is siliconised to reduce friction and improve water repellence.

The yarn is specially crimped to enlarge the sealing area, providing a denser barrier against air and water penetration.

The polypropylene barrier fin is ultrasonically welded into the base and will not detach.

The yarn is woven and thermobonded to the polypropylene base. Each fibre forms a permanent root in the base and will not shed or pull out even when cutting to length.

When the window is static, the pile is in compression. Sliding the window open increases the dynamic loading by applying shear forces to the root of the pile. Closing the window then pulls the fibres in the opposite direction, further testing the integrity of the pile.

Low friction, strength and durability are therefore particularly important qualities, for which polypropylene is the ideal material.

Polypropylene is chemically inert and compatible with all window frames.

The yarn is extremely durable and highly resistant to abrasion, ozone and biological attack.

The polypropylene has a UV stabilising block to minimise the effects of ultra violet light.

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

**Installation Instructions:**

1. Mark the timber for cutting. Select the Reddiseals Router bit RS074 and cut a channel for the carrier. Cut the carrier to the required length using Reddiseals cutters.
2. Make sure the surface is clean and dry and free from any surface oils, dirt or sawdust etc.
3. Push fit the centre leg into the routed groove, making sure the top face of the carrier is flush with the timber.

### **Maintenance and Installation:**

#### General:

Reddiseals recommend that all Carrier 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 Carrier is a simple push fit into the groove. If the Weatherpile is inserted separately a dab of glue at either end will help keep the pile in the carrier.

#### 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 pile 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.

Beads 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.

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### **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.

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### **Product Guarantee:**

Reddiseals offers a guarantee on the Centre Leg Pile Carrier, 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](http://www.reddiseals.com/terms-and-conditions)

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### **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.