



RECYCLED COMPOSITE MATERIAL (RCM)

## RECYCLED COMPOSITE MATERIAL (RCM)



### Cutting edge innovation

At Swish we have over 40 years of experience in home improvements. From extrusion to installation we have the knowledge to make a difference to your business.

RCM reinforcement is a unique feature which improves the thermal efficiency and security credentials of Swish profile.







## Closed loop recycling

Swish was one of the first companies to introduce recycled composite material (RCM) reinforcements for its PVC-U window and door profiles, for both white and woodgrain outer frames and casement window sashes.

Manufactured from post consumer and post industrial waste PVC-U, the reinforcement provides a closed loop to the recycling process, offers better thermal efficiency and has a minimum life cycle of 35 years.

Closed loop recycling is a huge step forward in plastics recycling and Swish is right at the centre of this new technology. PVC-U windows which have reached the end of their useful life are processed into a raw material that can be used to make new PVC-U windows, once those windows are no longer required the material can be recycled again and so the cycle continues. Swish is part of the first and only company in the UK to use a closed loop recycling program to make PVC-U windows.



100% recycled



## IMPROVED PERFORMANCE



### Increased strength

Supplied as a substitute to either steel or aluminum sections, RCM is a cost effective alternative offering superb benefits where the anchorage of hardware is required in window and door outer frames and casement window sashes.

The method of fixing RCM is simple and is done in the conventional way that metallic reinforcements are fixed. It can be easily welded and can provide 20% - 30% higher weld strength than using traditional reinforcement materials.

RCM boasts excellent screw retention, with a screw pull out value greater than steel.

It has excellent corrosion resistance. It does not oxidize and so will not corrode or rust.









## Thermally efficient

RCM is an excellent insulation material and has a thermal resistance value of - 0.17 w/m<sup>2</sup>k. RCM is less conductive than steel or aluminium, increasing thermal efficiency.

Using RCM means you can achieve a better Window Energy Rating (WER) over comparative windows with steel or aluminium reinforcement, which have a greater heat conductivity.



Energy Window	
<div> <div>A</div> <div>B</div> <div>C</div> <div>D</div> <div>E</div> <div>F</div> <div>G</div> </div>	<b>A</b>
Energy Index (kWh/m <sup>2</sup> /year) <small>(Energy Index certified by BRC and based on UK standard windows. The actual energy consumption for a specific application will depend on the building, the local climate and the indoor temperature)</small>	<b>0</b>
The climate zone is:	<b>UK</b>
Thermal Transmittance (U <sub>frame</sub> )	1.4 W/m <sup>2</sup> .K
Solar Factor (g <sub>window</sub> )	0.44 W/m <sup>2</sup> .K
Effective Air Leakage (L <sub>air</sub> )	0.00 W/m <sup>2</sup> .K
<div>  <div> Reg. No.: 299 www.bfrc.org </div>  </div> <p><small>This label is not a statutory requirement. It is a voluntary label provided as a customer service to allow consumers to make informed decisions on the energy performance of competing products.</small></p>	



## UNIQUE DIFFERENCE



### User friendly

RCM is user friendly, easy to cut and clean, making it safer to handle. It doesn't require any specialist machinery and is easy to handle as it provides a burr free edge and is lighter than its alternatives. This also makes it easier to install as windows/doors can be carried more easily.

Using RCM reinforcement makes it easier to achieve compliance with current legislation for energy performance.

### Homeowner's choice

Manufactured from recycled composite material, the RCM reinforcement from Swish closes the loop for recycling, allowing installers to differentiate

themselves still further with the unique selling point of a truly environmentally friendly product.







## Sustainable benefits

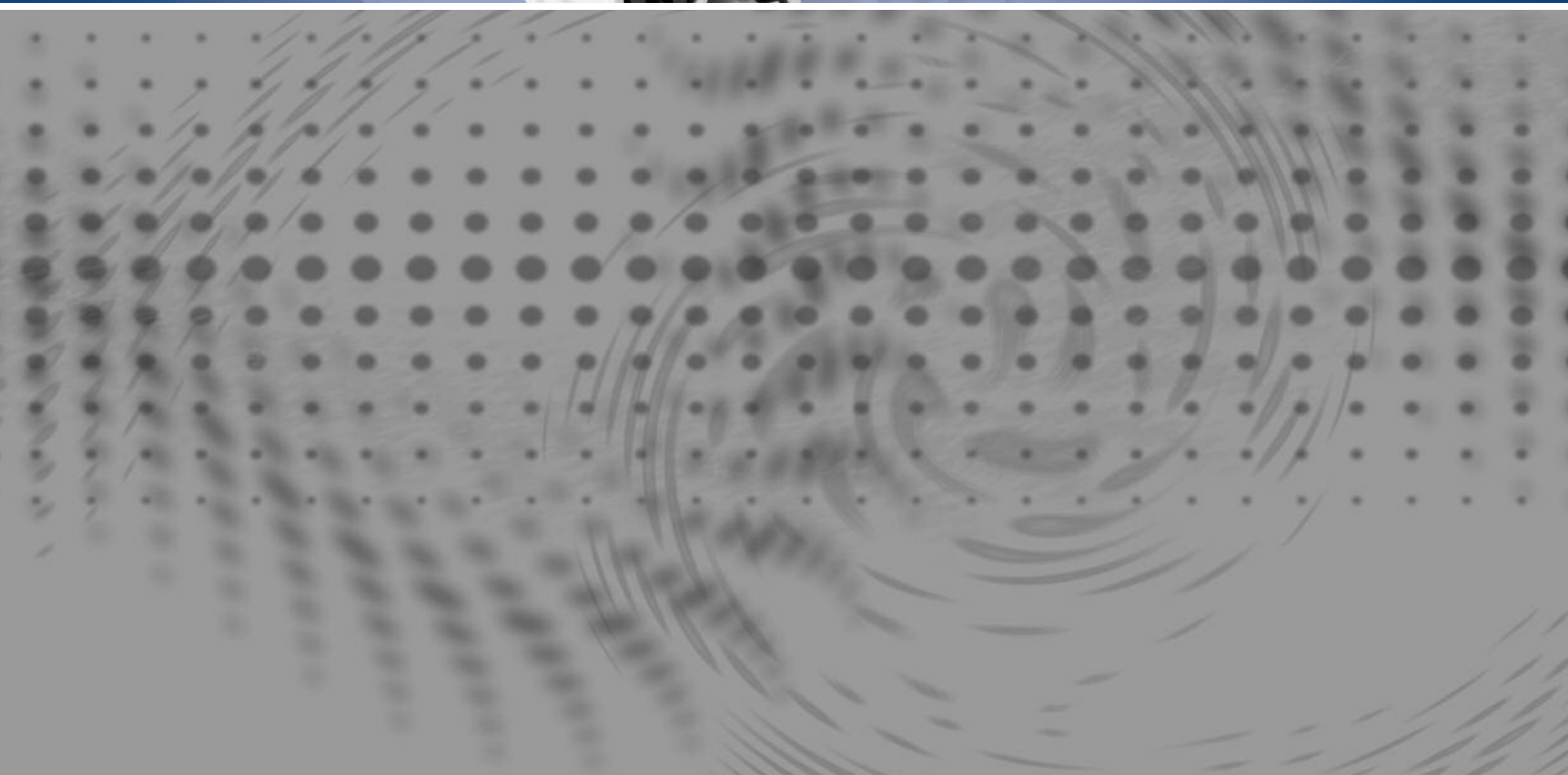
- 100% recycled composite material reinforcement – fully and easily recyclable
- Increases thermal efficiency – achieves a higher energy rating
- More than 35 years life expectancy
- It doesn't corrode or rust
- RCM has a screw pull out value greater than steel
- The price of RCM is stable in relation to metal reinforcement costs
- User friendly, easy to cut and clean, lighter than steel - making it easier to handle in fabrication and making windows lighter to install



For more information or technical data about Recycled Composite Material (RCM) reinforcement from Swish

**call us on 0808 178 3040**

or visit [www.swishwindows.co.uk](http://www.swishwindows.co.uk)



FM09180  
BS EN ISO 9001



EMS86980  
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OHSS23157  
BS OHSAS 18001



Official Police Security Initiative



KM12893  
BS EN 12608  
PROFILE



KM33548  
BS7950/BS EN 12608  
ENHANCED SECURITY  
WINDOWS



KM515408  
PAS23-1 & PAS24-1  
SYSTEM SUPPLIER  
GENERAL & ENHANCED  
SECURITY DOORS



Swish Window and Door Systems  
Stafford Park 6, Telford  
Shropshire, TF3 3AT

Sales Office : 01952 280550  
Fax : 01952 292770  
Brand Support : 0808 178 3040

[www.swishwindows.co.uk](http://www.swishwindows.co.uk)