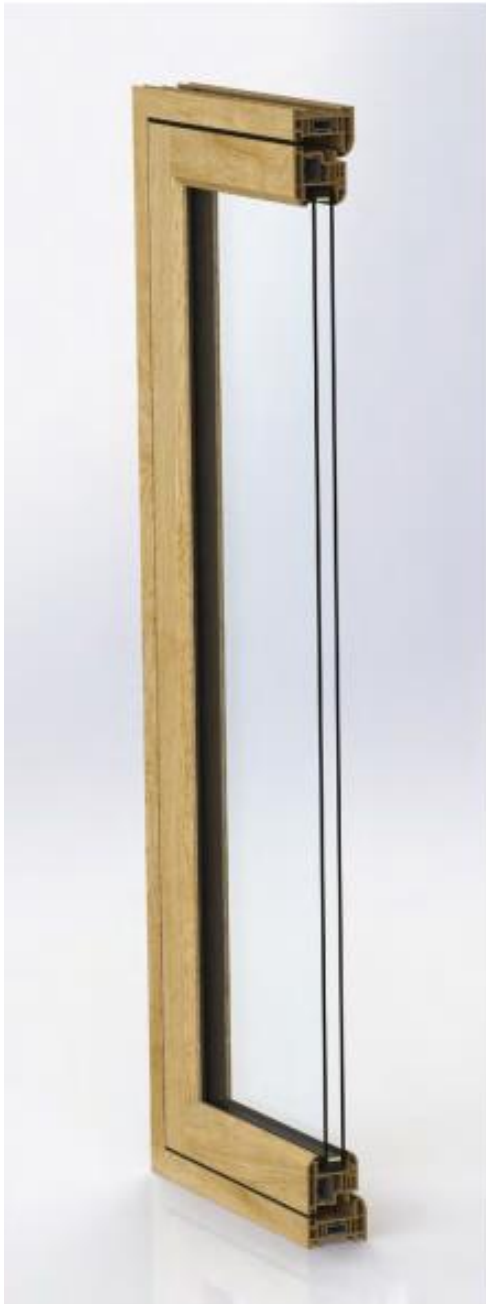


Flush Fit Windows Rio

The REHAU Rio Flush Fit window combines the realistic look and feel of timber, with all the benefits of uPVC.



Characteristics

The Rio Flush Fit system allows manufacturers and installers to replicate the details of a traditional timber flush fit window in the most authentic way possible.

This is achieved through the three jointing solutions that provide different aesthetics to suit any style of property:

Full Weld Joint

The same as a standard casement window offering the most cost effective option.

Full Mechanical Joint

The most realistic timber flush fit window appearance for ultimate authenticity.

Mechanical/Weld Joint (MechWeld)

Offering the appearance of mechanical-style timber joints on the outside with a fully welded detail inside.

The TOTAL70 compatibility factor truly enables installers to 'fit and forget' due to familiarity and ease of installation. Rio Flush Fit is a high-quality product, achieving excellent weather performance credentials along with PAS24 security accreditation.

Available in both chamfered and sculptured frame options from the TOTAL70 range, Rio can suit any installation and both designs are available with the option of 20 colour combinations as standard for a true personalised product. Rio also has the potential to incorporate a grey base with its foiled both sides grey combinations.

The Rio Flush Fit French window has a hidden dummy mullion end cap that is over moulded with a gasket for a seamless finish. It also utilises the Heritage bead for a low-level sight line. REHAU Heritage Georgian bars can be used to provide a chamfered finish outside and sculpture inside for that traditional look.

Our latest innovations to the Rio flush fit range is the new Deep bottom rail which combines the period style visuals of timber sash windows when mechanically jointed on the bottom of the sash to create an authentic look.

The new square edge bead allows for a more contemporary style flush fit window to be manufactured for greater versatility and styling and maintains the low level detail that is an integral part of the REHAU range.

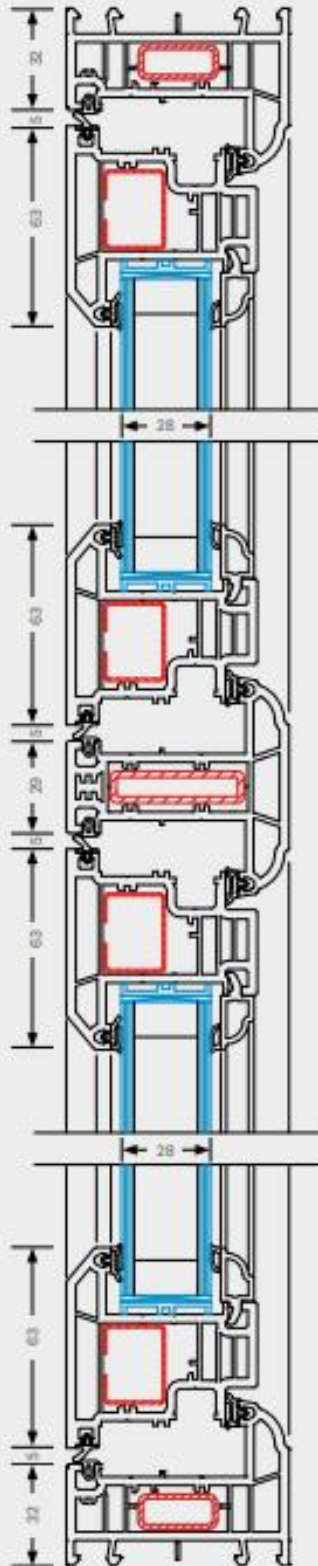
Flush Fit Windows Rio

- 1 Same Eurogroove position as TOTAL70
- 2 28mm Glazing as standard with option for 34mm Triple Glazing
- 3 Detailed external chamfer for softer aesthetics
- 4 Three jointing options: Mechanical Joint, Fully Welded & Mech Weld
- 5 Exceeds weather performance standards as well as PAS24 accreditation
- 6 TOTAL70 frame detail
- 7 Optional deep bottom rail profile
- 8 Square edge bead for a contemporary aluminium look

Feature	Specification
Profile depth	70mm
Maximum sash size	1200 x 1200mm
Thermal performance	1.3 W/m ² K
Maximum sash weight	35kg (Fully Welded) 30kg (Mechanical Joint)
Glass Width	28mm & 34mm
Accreditations	See page 60

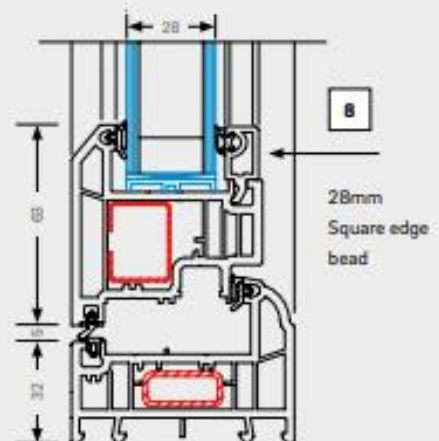


Below: Vertical Section



Detailed drawings are available on request

Below: Vertical Section with square edge bead



Accreditations

REHAU Ltd	Manufacturing Control Certification	Extrusion & Product Certification	Certified Profile and windows/ doors ↓
	ISO 9001 Quality Management System	BSI KM 13358 - BS EN 12608 (BS7412) Class A	
	ISO 50001 Energy Management	BSI KM 66461 - PAS 24 Doors Enhanced Security	
	ISO 14001 Environmental Management	BSI KM 76189 - PAS 24 Windows Enhanced Security	
	VinylPlus Product Label – Certification of Approval		
Fabricator requirements	Fabrication Certification	Legal Requirement	Legal Requirements Met for fabrication ↓
	BS 7412 (BS 6375) Fabrication & Performance (EN)	Building Regulations Compliant including: Part L (Thermal Efficiency, Enhance Security ADQ)	
	PAS 24 Doors Enhanced Security	CE Marking - BS EN 14351_1 Window & Doors Product Standard	
	PAS 24 Windows Enhanced Security	Factory Production Control (FPC)	
Route to compliance	Fabrication Certification	Scope of Compliance	Further Compliance Capable i.e. SBD, WER etc.
	Cascading of REHAU testing only →	Building Regulations	
	Cascading of REHAU testing & 3rd Party Certification L →	Building Regulations plus can be used to gain further approval and certification including: • Secure By Design (SBD) • Kitemark Licence (BSI), Q Mark (Exova), BBA etc.	
	Independent UKAS testing →		

BS EN12608:2016

Unplasticized Polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors - Classification, requirements and test methods. REHAU Kitemark Licence Number: KM13358. Standard for BSI approved profiles extruded in 1406 material by REHAU Ltd. All classes to be tested in accordance with standard requirements with critical criteria as set out below:

Material information	4.2 (5.8) Classification of climatic zones	Two climatic zones available: M (moderate) and S (severe) REHAU profiles extruded achieve Classification SEVERE
	4.3 (5.6) Classification of resistance to impact by falling mass of main profile	For the resistance to impact by falling mass at -10°C two classes are available: Class I falling mass of 1000g at a height of 1000mm Class II falling mass of 1000g at a height of 1500mm REHAU profiles extruded achieve Classification II
	4.4 (5.3.2) Classification of wall thickness of main profiles	There are three classification thicknesses available: A, B and C (as per table 3 EN12608). REHAU profiles extruded achieve Classification A