



comar

ARCHITECTURAL ALUMINIUM SYSTEMS

5Pi Therm-L+

High performance window system

Comar Architectural Aluminium Systems constantly look for ways to not just meet but exceed current and future market requirements and Comar 5Pi Therm-L+ does just that. A new generation in thermal efficiency, the Comar 5Pi Therm-L+ window has been designed to provide a high thermal performance solution for today's residential and commercial buildings and continues to demonstrate Comar's innovative approach to the design of aluminium products.

5Pi Therm-L+

High Performance Window System

U-values as low as
1.0w/ m²k with double
glazing & **0.67w/m²k**
with triple glazing



The Eco choice



Residential or
commercial



Contemporary
design styling



Double and
triple glazed



Features and benefits

- The combination of bespoke polyamides and a highly thermal efficient injected foam core result in superior aesthetics and outstanding thermal performance, without any need for your customers to compromise
- Will easily comply with the expected changes to the Future Homes and Future Buildings standards
- Tooling is available, ensuring that preparations are fast, accurate and wastage reduced
- The window uses spring loaded, pin or mechanical cleats to enable fast-track manufacture
- Being tested to 24:2022, with tried and tested shoot bolt lock, ensures the highest level of reassurance to your customer
- Integrates seamlessly with our Comar 7Pi & 9Pi Therm-L+ systems, providing a multitude of design options
- Made from 70% recycled aluminium and 100% recyclable at end of life

Technical specification

- Profiles are thermally broken with 'rolled in' low lambda polyamide profiles with the addition of a high thermal efficient injected foam
- Available as open out casement, both top and side projected or as fixed light
- 5Pi Therm-L+ has been designed to meet the demands for windows with very low U-values. U-values as low as 1.0w/ m²k with double glazing & **0.67w/m²k** with triple glazing
- Embodied carbon as low as 2.0 kgCO₂e/Kg of aluminium
- 98mm outer frame
- Sightlines 104mm Casement window and 60mm fixed light
- Minimum width: 600mm
- Maximum height: 1600mm
- Maximum weight: 100kg
- Capable of housing double or triple glazed unit options up to 60mm thick
- For full details refer to the fabrication manuals
- All technical aspects for this product are covered in the product manual and further information is available from Comar's Technical Department for specific contract requirements

Performance & Testing

- Weather tested to BS6735: Part 1
- Operation & strength tested to BS6735: Part 2
- Additional performance characteristics to BS6735: Part 3
- Security tested PAS24: 2022
- In addition, the window system conforms to recognised industry standards as adopted by Centre for Windows & Doors (CWCT) and trade associations such as the Council for Aluminium in Building (CAB)

Finishes and colours

- Not available in mill finish
- Available anodized or polyester powder coated
- Grey 7016, Black 9005 and Hipca white as standard
- Other RAL colours on short lead times
- Dual colour option available

Applications

- Suitable for use on all residential and commercial buildings

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