simon james arq ltd / **architects**
RIBA COAM

Aluminium Window and door system for the existing extension refurbishment.

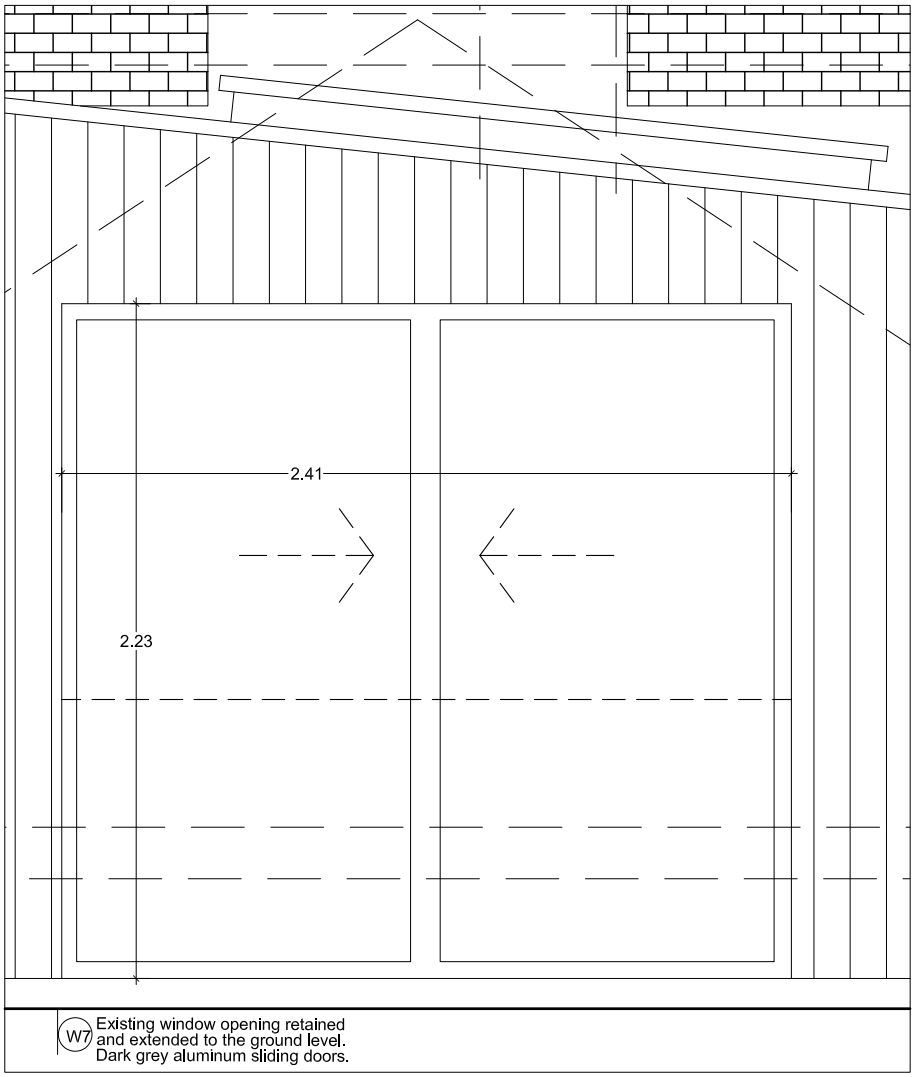
96 Ladybarn Lane, Fallowfield, Manchester — listed semi-detached house

Planning reference: PLA-2026-000941
Purpose: Discharge of Condition No.5. Prior to the installation of any aluminium windows, a manufacturer's specification of the proposed aluminium windows shall be submitted to and approved by LPA.

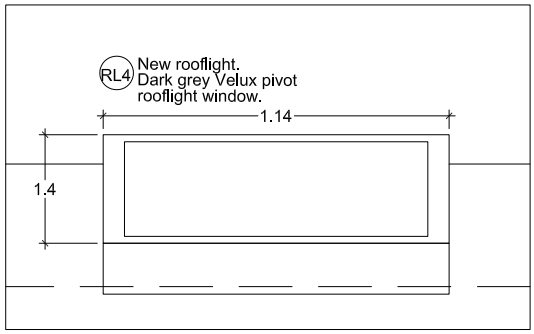
Window Schedule attached together with the manufacturer's specifications for all of the aluminium windows to be replace windows and doors in the existing rear extension.

APPENDIX 01

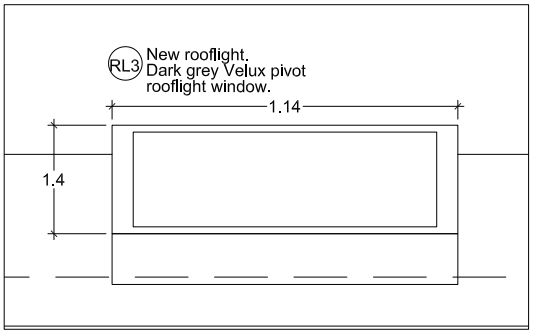
Window Schedule drawings.



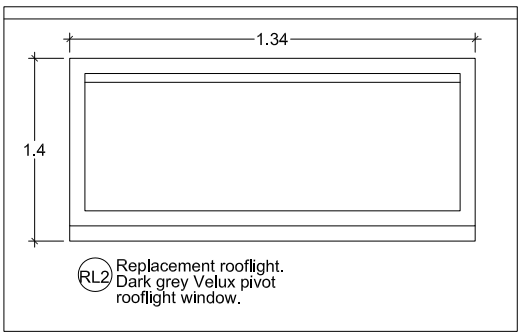
Rear Elevation Extension Garden sliding window.



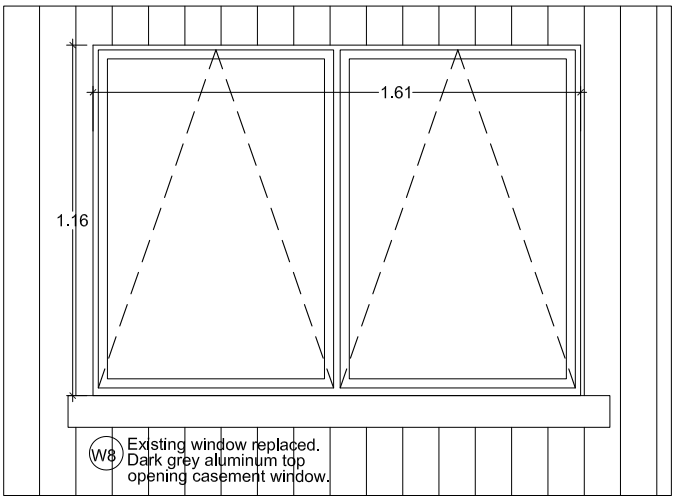
South Elevation Extension Roof Light



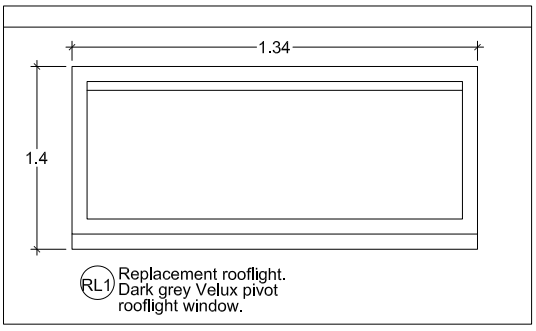
South Elevation Extension Roof Light



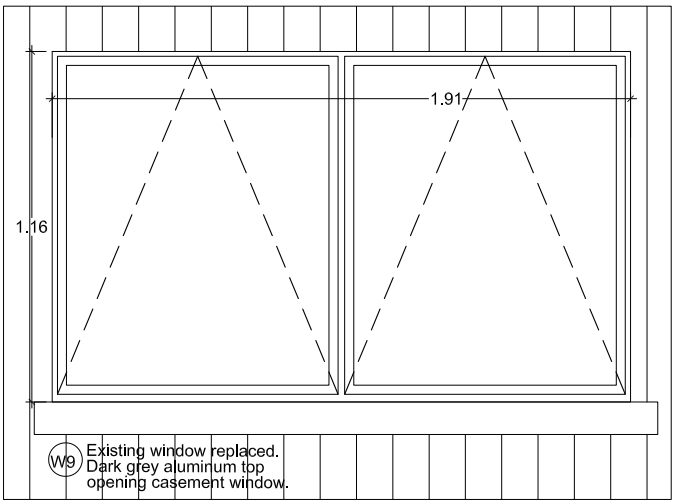
South Elevation Kitchen Extension replacement rooflight



South Elevation Extension Replacement window



Extension rooflight. North facing roof slope



South Elevation Extension Replacement window

WINDOWS/DOORS

AD New dark grey coloured Ral 7016 aluminium sliding door. Alunet Aluna Sliding door system. PAS24. U Value 1.4.

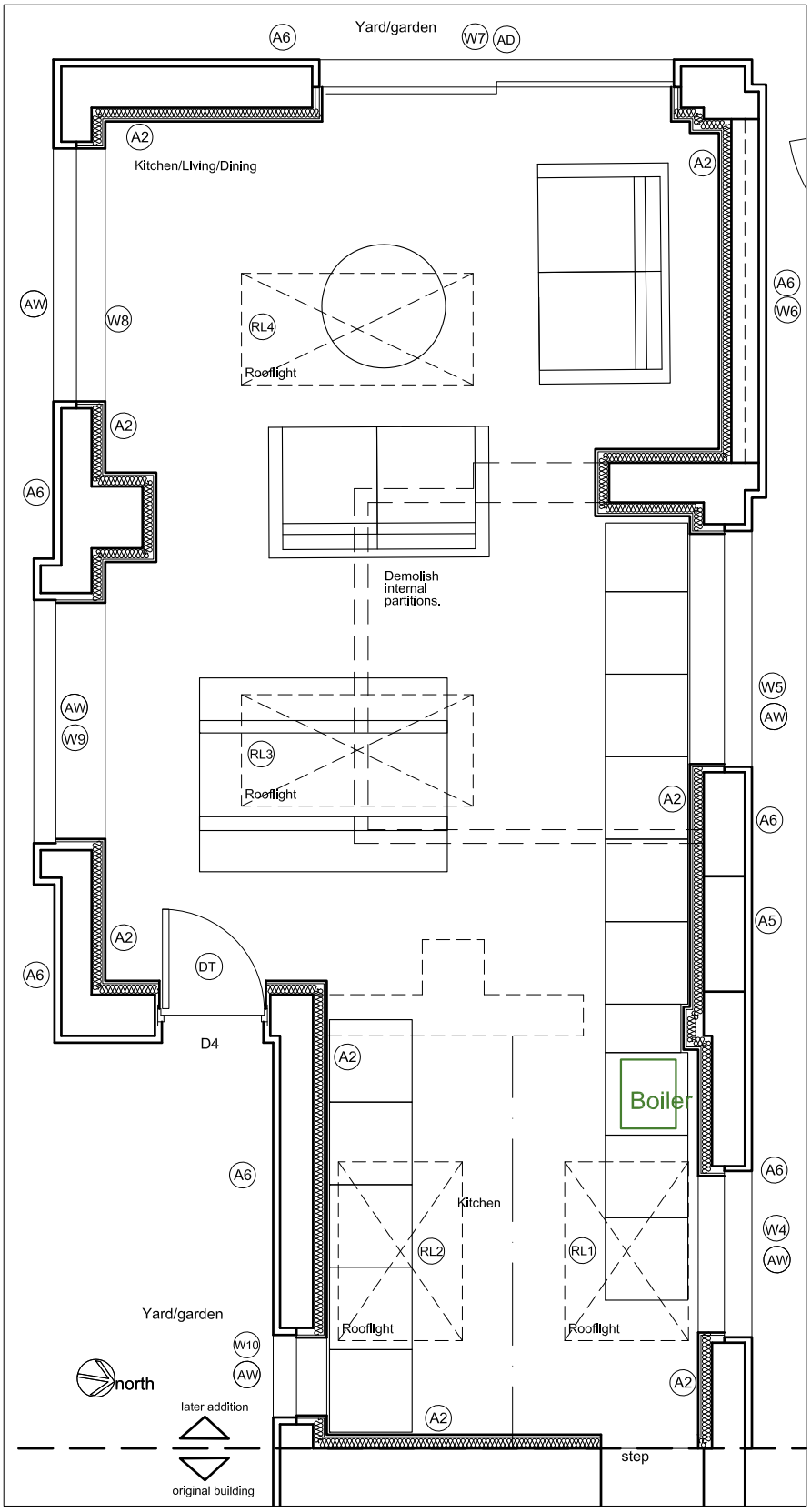
AW New dark grey coloured Ral 7016 aluminium Window. Alunet Aluna Window system. PAS24. U Value 1.4.

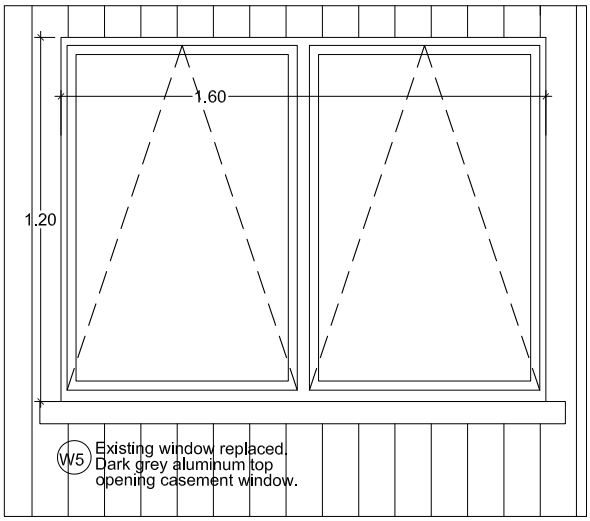
RL New dark grey coloured Ral 7016 aluminium Roof Light. Fakro Rooflight. U Value 1.4.

PROJECT: 96 Ladybarn Lane Fallowfield.		CLIENT: JH		PHASE: Planning - PL	DATE: 08/11/26	REV: -	DATE / REV
PROJECT NO: 188 -	SITE: 96L -	PHASE: PL -	DWG NO: W.ALU1 REV	SCALE: 1 : 25	SHEET: A4		

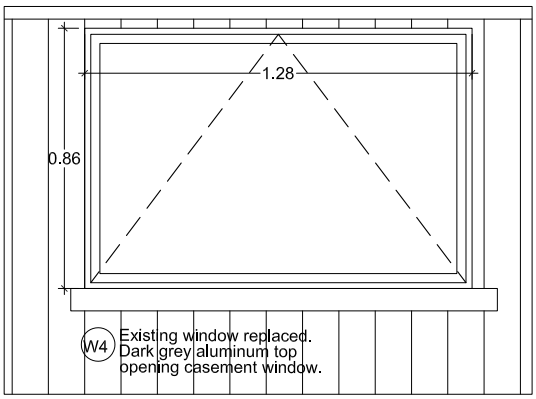
DRAWING TITLE: Extension Aluminium Window and door Schedule 01.

simon james /architect

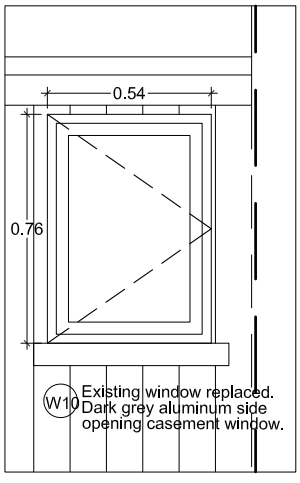




Garage North facing Window.



Extension Grd floor North facing kitchen window.



South Elevation Kitchen Extension
Replacement window

WINDOWS/DOORS

AD New dark grey coloured Ral 7016 aluminium sliding door. Alunet Aluna Sliding door system. PAS24. U Value 1.4.

AW New dark grey coloured Ral 7016 aluminium Window. Alunet Aluna Window system. PAS24. U Value 1.4.

RL New dark grey coloured Ral 7016 aluminium Roof Light. Fakro Rooflight. U Value 1.4.

PROJECT: 96 Ladybarn Lane, Fallowfield.			CLIENT: JH		
PROJECT NO: 188 -	SITE: 96L -	PHASE: PL -	DWG NO: W.ALU1	REV:	
DRAWING TITLE: Extension Aluminium Window and door Schedule 01.					

PHASE	DATE	REV	DATE	REV
Planning - PL	08/11/26	-		
SCALE: 1 : 50	SHEET: A4			

simon james /architect

APPENDIX 02.

Alunet Aluna Sliding door manufacturer's specification.



ALUNA Slider

The ALUNA slider is not only a visually stunning addition to your home, it can also add huge value to the property.

Excellent thermal performance and strong, super-slim profile sections to minimise the visible framework are key to the aluminium sliding door's design.

Engineering-grade hardware allows for silky- smooth opening and closing operation. Designed with bottom rails of 42mm wide, the slider provides stunning unobstructed views.

What's more, all our doors are rigorously tested to European safety standards and powder coated to Qualicoat's specifications, for complete peace of mind.

- Market-leading sash sizes of up to 2.5m x 2.7m per sash
- Minimal, super-slim sightlines of just 25mm or 50mm
- Double, triple and monorail options available
- Inline slider as standard with the option of lift and slide
- Wide variety of configurations achievable
- Maximum weatherproofing and security
- PAS24:2022 compliance



Luxury Aluminium Sliding Doors

ALUNA Sliding Doors perfectly frame and enhance an outdoor view while creating a light and bright indoor space in your home. Transform an entire wall into a glass door, with the added freedom of accessibility, creating a seamless connection between the indoors and outdoors.

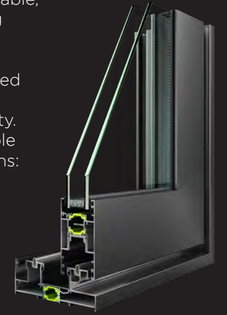
With interlock options of just 25mm or 50mm available, these super-slim options allow for maximum views, excellent thermal performance, noise reduction, high security, and weatherproofing.

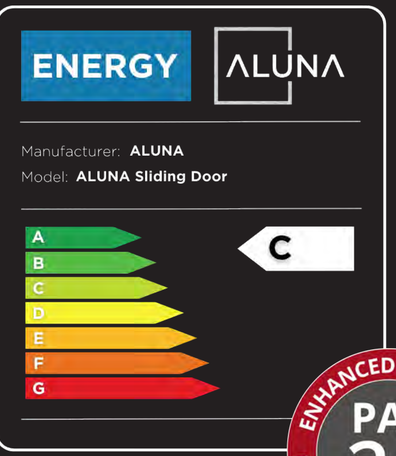
Designed for large spaces, single, double and triple track options are available, allowing for a variety of opening configurations.

All of our products can be finished in several glazing options to create a style to suit any property. Our sliding door range is available with the following glazing options:

- Double glazed
- Integral blinds
- Laminated glass

... and many more!





Colours

Our ALUNA Sliders are available in three standard colours, plus two dual colour options.

The standard colours available are Grey 7016 (Matt), Black (Matt), White 9016 (Gloss), Grey 7016 (Matt) on White 9016 (Gloss), and Black 9005 (Matt) on White 9016 (Gloss).

White
RAL9016

Anthracite Grey
RAL7016

Black
RAL9005

Bespoke RAL
Colour

Grey Out/
White In

Black Out/
White In

For projects requiring bespoke coloured doors, any RAL colour is available upon request.

HARDWARE AND SECURITY

Sleek complementary hardware for ALUNA Sliders

The super-slim ALUNA Slider comes with a range of high-security hardware available in a variety of colours.

Combined with a high-security multipoint locking system, the Slider provides safety and security. Check with your manufacturer to see which hardware options they offer.

CORNICHE SLIDER HANDLE

Creating a clean & robust finish



CORNICHE LIFT & SLIDE HANDLE

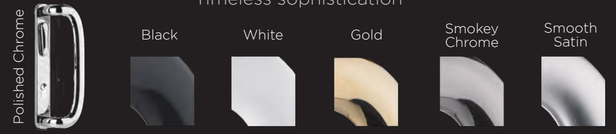
For elegant operation & durability



The stainless steel Corniche handles exemplify premium hardware solutions, bringing a taste of contemporary elegance and smooth, effortless door operations. Crafted from high-quality stainless steel, these handles not only make a striking visual statement but also deliver remarkable performance.

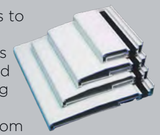
PROLINEA SLIDER HANDLES

Timeless sophistication



The polished Prolinea slider handles are designed to complement the soft appearance of the slider's super-slim sightlines and smooth operations. Available in 5 stunning polished colours.

CILLS



Designed by experts to take large weights and spans, these cills are specifically suited to the ALUNA sliding door system. They direct water away from the brickwork while also providing additional detailing to the aesthetics of the door.

The cills also provide concealed drainage to efficiently manage water runoff and maintain a clean and unobtrusive appearance.

Cill sizes are available in 190mm and 230mm in our standard and dual colours, or any RAL colour upon request.

SUPER-SLIM INTERLOCKS

Our market-leading 25mm super-slim, one-piece interlock is made out of robust aluminium and can be used with the inline and lift & slide, no matter the size of door.



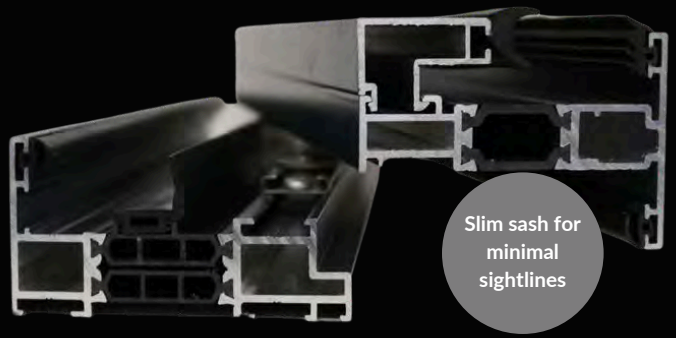
APPENDIX 03.

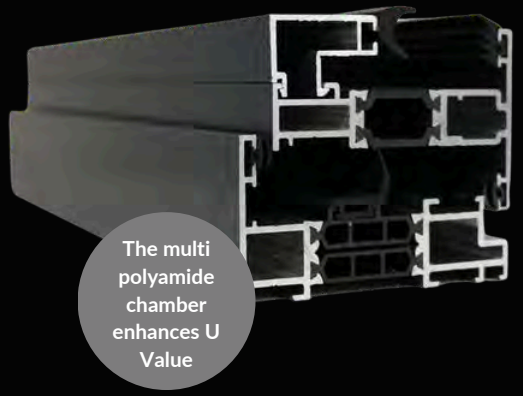
Alunet Aluna Window manufacturer's specification.

The ALUNA Window is available with our standard or super slim sash for minimal sightlines. Flush options are also available for enhanced aesthetics.

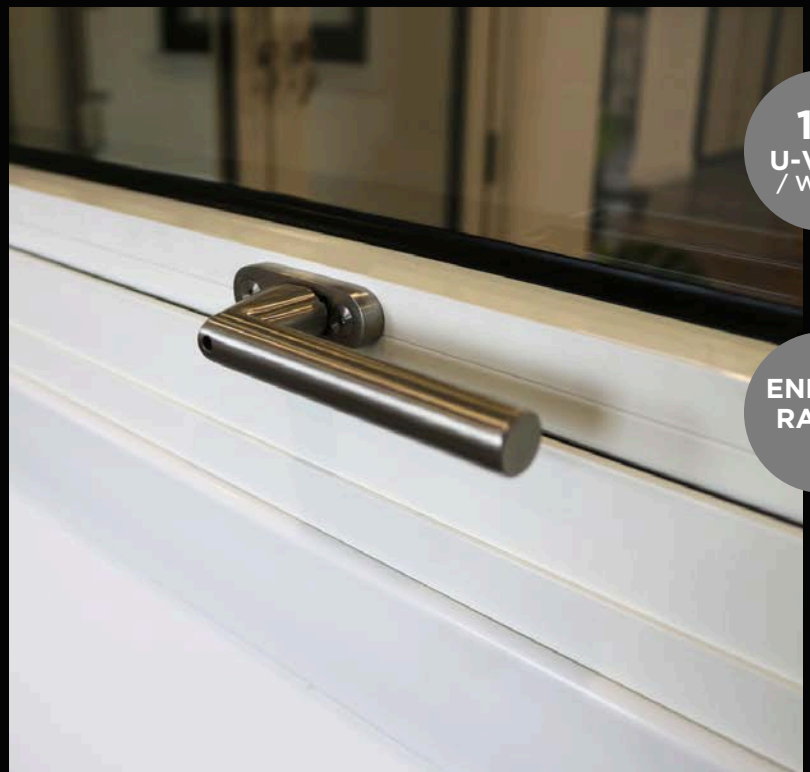
With its elegant, contemporary design, the ALUNA Window perfectly complements our other ALUNA systems, bringing you a cohesive range of products. All configurations of the ALUNA Window system can be finished in several glazing options to create a style that suits any property.

- 28-44mm glazing options
- Heritage/ flush & standard window options
- 1.4 U-value
- Energy rating A (WER)
- Side hung / top hung / fixed light options available
- NEW 73mm aluminium profile option perfectly complements the ALUNA Bifold system











HARDWARE

MILA HANDLES

The Mila handle is available in 5 suited finishes, including **Polished Gold, Polished Chrome, Smooth Satin Chrome, White, Black.**

Manufactured to be ease of operation in mind, the modern design features an ergonomic lever contoured to the shape of your hand, and a tear drop button that offers comfort during use. Complete with a **high-security locking system**, the handles are extremely reliable having been tested up to **50,000 cycles.** Additionally, the handles come with **10-year guarantee**, for extra peace of mind.



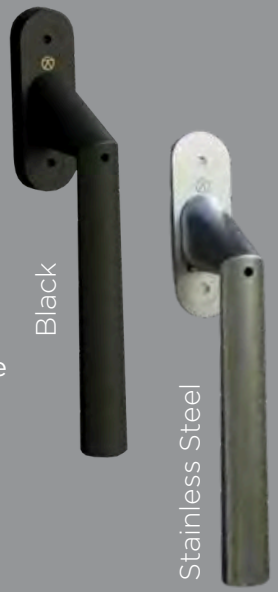


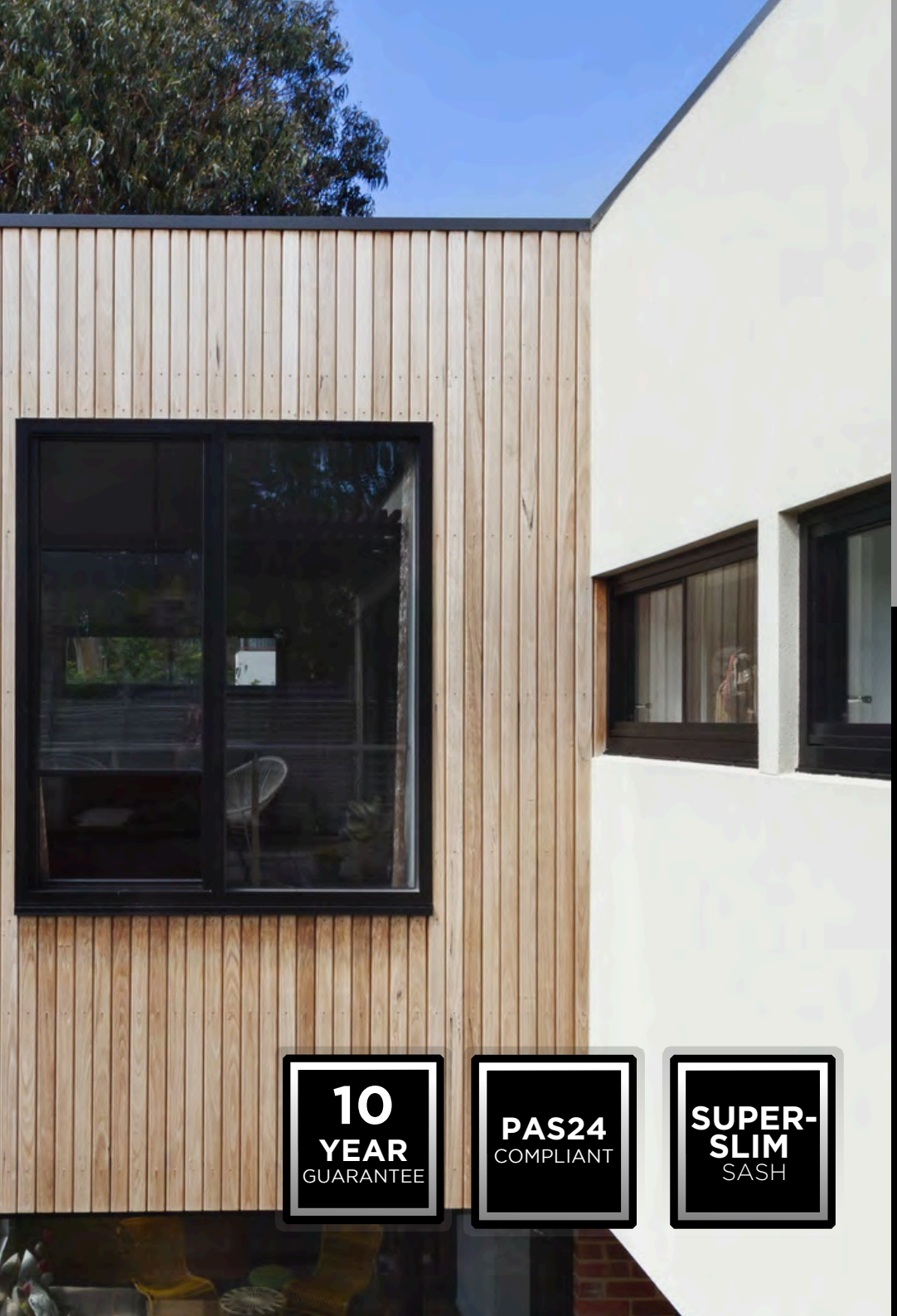
COASTAL STAINLESS STEEL RANGE

The high-quality window handles from Coastal offer a sleek, contemporary look with no compromise
on security.

The **super slim design** flawlessly complements the aluminium windows, while the **lockable system** is ideal for those safety-conscious homeowners.

The handles are manufactured from solid **316 Marine Grade Stainless Steel**, which is also available in PVD Satin Black Finish.





Colours

Our windows are available in three standard colours, plus two dual colour options.

For projects requiring bespoke coloured doors, any RAL colour can be available upon request.

White
RAL9016

Anthracite
Grey RAL7016

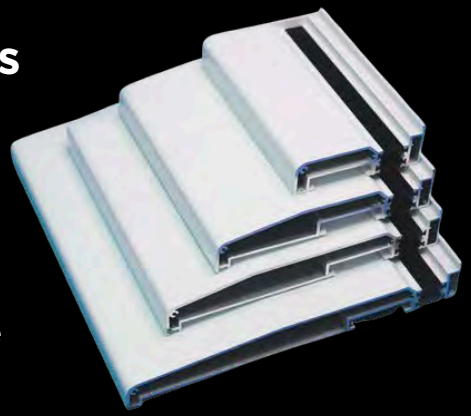
Black
RAL9005

Grey Out/
White In

Black Out/
White In

Bespoke RAL
colour

Universal Aluminium Cills



Our range of universal **aluminium cills with screw ports** are compatible with most other door and window systems, including our ACW81 window system. They effectively direct water away from brickwork while providing an additional design element to the aesthetics of the window.

Our aluminium cill is more robust than PVC alternatives and comes complete with plastic push-in colour-matched end caps in our standard stock colours, for a secure and sleek finish.

Cill sizes are **90mm, 150mm, 190mm** and **230mm**.

Available in Black, White, Anthracite Grey, textured mill finish, and dual colours of White/Anthracite Grey and Black/White, and can also be powder coated in any RAL colour.



ALUNA WINDOW

Luxury Aluminium By

ALUNET SYSTEMS

APPENDIX 04.

Fakro Aluminium Roof Window manufacturer's specification.

PRODUCT CATALOGUE 2021



Irish Cancer Society

SUPPORTED BY FAKRO

30 YEARS HOME SOLUTIONS

FAKRO®





CERTIFICATES

One of the key factors differentiating manufacturers from one another is certification of products. At FAKRO we continually look for ways to innovate and improve our designs, not just with new roof windows but existing ones. In 2012 this yet again enabled us to set an industry standard as we achieved Passive House certification of our industry leading quadruple-glazed FTT U8 Thermo. The FTT U8 offers an amazing U-value of 0.58 W/m2K and provides the ideal solution for airtight designs.

NBS Plus - FAKRO specification clauses are available via NBS Plus. This enables concise, technically accurate and up-to-date information in relation to our extensive range of roof windows and roofing accessories to be copied and pasted.

In the same way, we led the market by becoming the first roof window manufacturer to secure BBA certification - as long ago as 2002. Today, many more of our products are accredited including our popular ranges of centre pivot, top hung and pivot windows.
This includes products in conservation style and the highly thermally efficient FTT U6 triple-glazed window while, for specifiers and buyers in Ireland we also have Irish Agrément Board (IAB) certification.

FAKRO are the only roof window manufacturer to carry both NSAI & BBA accreditations.

Our roof windows offer scope for you to buy or specify products using timber from sustainable sources; indeed we are the only such manufacturer to offer FSC® certification for the higher quality, close-grain pine which we use. We also design all windows to be stripped down for recycling of all parts which, combined with the use of sustainable timber, shows the extent of our commitment to environmental issues.

CE marking provides a passport that enables a construction product, irrespective of its origin, to be legally placed on the market of all EU member states. Unlike some manufacturers, FAKRO declares full details of performance for all points which make up a CE mark, yet more evidence that our products exceed minimum standards for health, safety and economy of energy.

NEW DIMENSION OF INNOVATION

Innovation is the DNA of FAKRO and the main driving force of the company's development. It's a philosophy of unconventional thinking, thanks to which the new solutions expand functionality and enhance product quality. FAKRO has redefined roof windows by introducing an automatic ventilation flap V40P, the topSafe system which strengthens the construction of the window, or thermoPro technology which increases the quality and parameters of the windows.
By focusing on development and innovation, FAKRO contributes to creating comfortable living conditions for people around the world.

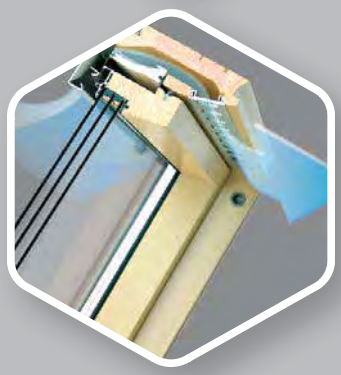


topSafe

SYSTEM TOPSAFE

INCREASED SECURITY

Roof windows have to ensure safety of use and protect against unauthorised access to the room from the roof. The special system of the window structure reinforcement topSafe significantly improves resistance of roof windows to break-in attempts and protects against the sash opening under foot pressure if inadvertently stepped on.
The topSafe system consists of:
- **Innovative**- installation system of specially shaped hinges,
- **Metal** - element strengthening the locking system,
- **Metal** - steel bar, making it difficult to break the window using tools



V40P

AUTOMATIC V40P AIR INLET

Positioned in the top part of the frame. At a pressure difference of 10Pa air inlet capacity is up to 49m^3/h depending on the window width. The capacity rises up to the point where the optimum value is achieved. If the pressure difference continues to grow, the airflow capacity stays on the same stable level. An elastic, pneumatic flap deflects, limiting the amount of inflowing air by reducing the air inlet duct area e.g. when strong gusts of wind appear and in the winter time.



thermoPro

THERMOPRO TECHNOLOGY

The roof windows are manufactured using thermoPro technology. The solutions introduced ensure improved quality and parameters of windows. ThermoPro technology increases energy-efficiency performance, provides greater durability, ensures excellent tightness and facilitates the installation process of roof windows.

BETTER THERMAL INSULATION OF WINDOWS
- Reduced heat loss and lower heating bills
- New version of low emission coating on the glass
- Introduction of insulation inserts in the bottom corners of the sash aimed at enhancing window's energy-efficiency performance

GREATER WINDOW TIGHTNESS IN TERMS OF AIR PERMEABILITY
Windows manufactured using thermoPro technology feature 3rd and 4th tightness class according to EN12207, thus reducing the amount of air penetrating into the room. It is particularly important for mechanical ventilation.

GREATER WOOD DURABILITY THANKS TO WATER DRAINAGE CHANNELS
Special water drainage channels are introduced in the lower corners of the frame to discharge water from condensation and potential leakage caused by, e.g. damaged external aluminium profiles. Wooden profiles are less exposed to the moisture, which adds to their durability.

EASIER INSTALLATION GREATER COMFORT OF WORK
New brackets facilitate installation work and increase the ability to adjust roof windows during their installation.
In addition, the use of Torx screws streamlines the installation process of roof windows.



WEATHERTIGHT

FLASHINGS FOR ROOF WINDOWS

- Flashings are essential for tight connection of roof windows with roofing material. Precisely designed flashing details ensure a durable and neat fit with the roofing material used. The purpose of flashing is to ensure good drainage away from the window and to provide protection from the wind.

- FAKRO offers a range of flashing solutions, manufactured in polyester powder coated aluminium to give high durabilty and resistance to atmospheric conditions. The standard colour is brown RAL 7022, which matches well with most roofing finishes.