

Farnborough Airport, Business & Aviation Centre.



Comar Architectural Aluminium Systems and their approved fabricator, Compass Glass Limited, supplied aluminium profiles for the 4,000 m² Terminal at Farnborough - Britain's most modern business airport. The Terminal, which was officially opened by HRH The Duke of York, is the new Operations and Administrative Centre. It is the final building in the comprehensive airport masterplan which also features the award-winning hangars and a landmark air traffic control tower. The entire brief was envisaged by Reid Architecture whose portfolio includes other award-winning designs for such key airports as Heathrow, Stansted, Gatwick, Edinburgh and Glasgow.

The Terminal impresses with the boldness of its design. The inspired wing-shaped asymmetrical edifice features the clean-cut minimalist lines of an aircraft, whilst the lustrous "scales" of the light metal skin, achieved with the perforated aluminium sheet, give the building the sleek, cutting edge appearance. The elegant and modern looking fenestration contributes to the building's unconventional style, but also underpin the Terminal's function. The sheer curtain walling of the side elevations and the rows of tilted glazing along the façade allow the required amount of daylight into the conferencing and administrative offices. Also, the fenestration opens onto the surrounding airport grounds with the hillside turning the Terminal into an excellent observation platform. This feature becomes imperative, especially during the historic International Air Shows and International Trade Shows which take place at Farnborough every year.

Compass Glass installed Comar 6 curtain walling and Comar 7 doors over a four week period. Comar 6 is a versatile 50mm thermally efficient system designed to integrate panels and glass of different widths, opening vents and doors. The flexible design of Comar 6 makes it ideal for complex faceted curtain walls as well as sheer glazed façades. In the Terminal, Comar 6 spans the first and second floors incorporating three metre high panes of 6mm toughened glass. Rows of smaller etched glass panes create a feature on the otherwise seamless façades. All aluminium profiles were polyester powder coated to standard Grey RAL.

The glazing embraces the entire ground floor with the Terminal's customer lounges incorporating integrated Comar 7 curved auto sliding doors, which were also polyester powder coated to standard Grey RAL. Because all Comar profiles are integrated, the slim 50mm sight lines are standardised throughout the envelope, thus contributing to the Terminal's elegant and minimalist appearance.

PROJECT DETAILS

Architects
Reid Architecture.

Fabricator
Compass Glass.

Main Contractor
TAG Farnborough Airport Ltd.

Project Value
£10.2m.

Systems Used
Comar 6 and 7

Location
Hampshire.



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The Parkside Group incorporates Comar Architectural Aluminium Systems, Alu-Timber, an aluminium/timber composite system of windows, doors and framing, Axim Architectural Hardware and Duco ventilation and sun control.

This provides a unique opportunity for specifiers and fabricators to rely on a single source for building envelope and integrated systems.

Comar Architectural Aluminium Systems is the largest British, privately owned aluminium systems company in Europe. Comar designs, extrudes and distributes over 700 integrated profiles to a nationwide approved fabricator network for use in aluminium ground floor treatment, window, door and curtain walling applications. Comar has built its reputation on delivery; over £5M of mill, white polyester powder coating, silver, bronze and anodised profiles are kept in stock. This means that 99% of orders are fulfilled by our customers' weekly delivery.

Alu-Timber - Merging Material Solutions. Creating sustainable, energy efficient buildings is a cornerstone of design.



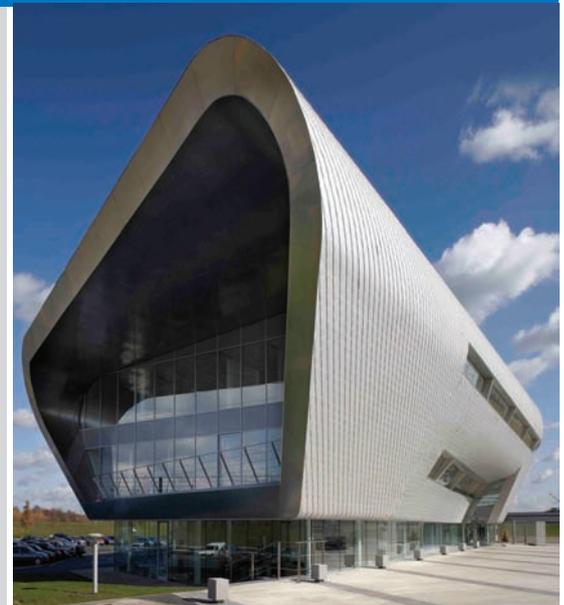
Alu-Timber, a range of aluminium/timber windows, doors and framing, that combines sustainably grown FSC or PEFC timbers with 100% recyclable aluminium. Alu-Timber gives the specifier benefits: low U-values to achieve current legislation as well as reassurance for the client that the facade will last, with minimal maintenance.

Comar Duco produce market leading ventilation and sun control products that continually evolve to meet the latest demands that building regulations command. This comprehensive solution to provide single source aluminium facades, with ventilation and solar shading, incorporates Window Ventilation, including acoustic ventilation, Architectural Louvres, Continuous Louvre Walls and Solar Shading.

Axim As part of the The Parkside Group, Axim supply a full range of architectural aluminium door hardware including: concealed transom closers, floor springs, surface mounted closers, flush bolts, panic exit devices, handles, letter plates and other ancillary items.

RIBA CPD Provider The Parkside Group provides RIBA assessed CPD seminars to architects and specifiers throughout the UK. Please contact us for further details.

Nationwide Architectural Specification Team Comar Architectural Aluminium Systems have a nationwide team of architectural advisors who specialise in providing architects and specifiers with project support and NBS specifications. Fabricators and installers are supported by a team of Territory Managers.



GROUND FLOOR TREATMENT	
COMAR 1	Single Glazed GFT
COMAR 3	Double Glazed GFT
COMAR 4	Single Glazed GFT
COMAR 8	Fin/Bead GFT
CURTAIN WALLING	
COMAR 6	Curtain Walling, Stick Build & Ladder Frame, Square Cut & Step Cut.
COMAR 6	EFT Structural Glazing 2 & 4 sided
DOORS	
COMAR 7	Doors, Folding, Sliding, Swing & Polyamide Rebated.
WINDOWS	
COMAR 5	Windows, 45mm, 50mm, 55mm, 60mm & 75mm Polyamide.
WINDOW WALLING	
COMAR 2	Feature Wall T.B. Window Walling, Thermally Broken.
COMAR 9	High Performance Window, Doors & Framing

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