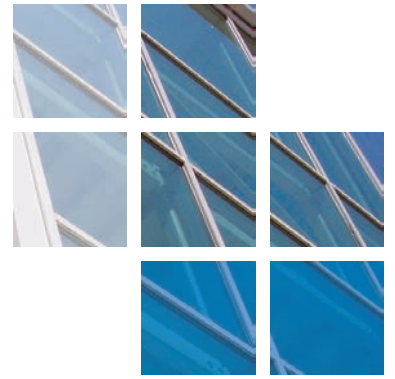




comar

ARCHITECTURAL ALUMINIUM SYSTEMS



Wednesfield Library, Wolverhampton.



Comar Architectural Aluminium Systems, with their approved fabricator and installer Charter Commercial, completed the unusual and contemporary design for a new build project, Wednesfield Library. Designed by Wolverhampton City Council, this design was selected from numerous designs submitted from Architects all over the U.K.

Whilst the important U value was a key consideration, it was equally paramount to maintain the unique radical design features. The main large screen is segmented and concave with lots of compound transom to mullion angles. A combination of Comar 6 stick and ladder-build curtain walling was installed to ensure the whole structure drained correctly. The main feature segmented screen (shown overleaf) was particularly challenging for Charter Commercial, not just for the sheer size and complexity, but also for the difficulty of ensuring that the raked transoms achieved the right aesthetics once the screen was put together, forming the curved structure. The angles had to be adjusted very slightly to achieve the appearance of a straight line through the screen. The frames used around the building were fitted into a pressed aluminium casing, supplied and fitted by Charter Commercial, thus ensuring the visual impact sought by the Architect was achieved. For the opening vents, Comar 5P.i. thermally efficient polyamide insulated aluminium windows were installed offering outstanding weather performance and low U-values. Comar 5P.i is a 60mm window system that reduces heat loss through the trademark P.i thermal break ensuring low U-values. It is available in a variety of configurations and can be manufactured into casement, tilt and turn, pivot, top swing and sliding windows. In a busy public environment, Comar 7 commercial door sets are a natural choice. Not only are they available in swing, pivot, sliding, auto-sliding and sliding folding, they have been designed specifically for civic applications where high traffic solutions are required. All aluminium systems were finished in Mid Grey RAL polyester powder coat.

All Comar approved fabricators are required to have the technical expertise to attend pre-site meetings and provide detailing. Comar Architectural Advisors and Charter Commercial., liaised closely with the specifiers to provide design advice, which ensured the project conformed to planning requirements, ran smoothly and met site deadlines.

PROJECT DETAILS

Architects
Wolverhampton City Council
(Ian Wood)

Fabricator
Charter Commercial, Kidderminster.

Main Contractor
F. Tomlinson Ltd

Project Value
£112,000

Systems Used
Comar 5P.i, 6 & 7

Location
Wolverhampton



Wednesfield Library, Wolverhampton.

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
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
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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