



comar

ARCHITECTURAL ALUMINIUM SYSTEMS



Offices, Dartford, Kent.



Comar Architectural Aluminium Systems; with their approved fabricator Anglia Fixing Ltd recently completed a new build office development at Crossways Business Park in Kent.

In this project, Comar 6EFT was selected as it offers architects a flexible system, providing a structurally glazed solution, with options for facets, concealed vents and an extensive range of profiles that cater for large structurally glazed panes. Shading was a key consideration on the southern elevations to reduce the need for air conditioning and the associated running costs, therefore to shade the façade Comar-Ducosun 100C in-frame solar shading complete with struts to suit a 1600mm horizontal projection were specified. The blades, rafters and struts are all part of the unique Ducosun multi-fit system which allows fast track installation with its "clicks and glide" assembly. Anglia Fixing and Comar worked with the specifier to ensure maximal shading was created during the summer months. Brace struts and props were calculated to ensure the correct projection in an under slung configuration, fixed back to the structure.

For the opening vents, Comar 5P.i window system which uses trademarked Polyamide Insulated (P.i) that provides exceptional thermal performance in a market where energy efficient designs and meeting the demands of the latest building regulations are paramount. From fifteen basic Comar 5P.i profiles, all window configurations, such as casement, top swing reversible, pivot, tilt and turn and sliding can be manufactured. These windows offer outstanding weather performance and reduce heat loss through the trademark P.i thermal break ensuring low U-values so energy bills are minimised. On this project Comar 5P.i ECO was selected. Comar 5P.i ECO is a casement window system which includes a 55mm and 75mm option, offering slim sight-lines in a top hung configuration.

As this is a busy office environment, Comar 7P.i Commercial Door-sets are a natural choice and for this project Comar 7P.i HSD and Pivot doors were selected. Comar 7P.i doors are they available in swing, pivot, sliding, auto-sliding and sliding folding, and they have been designed specifically for applications where high traffic solutions are required. Polyamide Insulated (P.i) window and door systems provide exceptional thermal performance in a market where energy efficient designs and meeting the demands of the latest building regulations are paramount.

PROJECT DETAILS

Architect & Contractor: Mitchell Design & Construct Ltd

Fabricator: Anglia Fixing Ltd

Project Value: £75,000

System Used:
Comar 5P.i ECO Top Hung Casement,
6 EFT, 7P.i HSD/Pivot
& Ducosun C (100c Blades).

Location: Crossways Business Park,
Dartford, Kent



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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
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 5P.i	Windows, 55mm, 60mm & 75mm Polyamide insulation.
WINDOW WALLING	
COMAR 9P.i	High Performance Window, Doors & Framing.



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