



Alu-Timber

Merging Material Solutions

Appleton School, Benfleet, Essex.



Alu-Timber and their approved fabricator Anglia Fixing Ltd recently completed a new Dining Hall extension and re-modelling project for The Appleton School a specialist Business and Enterprise College in Essex. This project was completed using Alu-Timber EFT curtain walling, alongside casement windows from Comar 5Pi ECO with Comar 7P.i pivot commercial doors.

Design freedom and solutions to modern environmental issues are a complex requirement. Alu-Timber EFT is a 60mm aluminium/timber curtain walling system which offers Capped, 2sided Structural Glazing with vertical or horizontal capping and 4sided Structural Glazing. Alu-Timber EFT provides internal thermally efficient Larch timber with time tested external aluminium for protection. To maximise spans and centres, a wide range of timber mullions and transoms are available. The inherent properties of timber provide two advantages: high strength and low U-values. All profiles are kept in stock which means challenging site deadlines can always be met. The extensive range of profiles creates options for large glazed framing areas which integrate seamlessly with Alu-Timber windows and doors. The complete Alu-Timber range includes casement, tilt & turn windows, open-in and open-out doors, and framing.

Comar 5P.i. ECO are thermally efficient polyamide insulated aluminium windows. 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. Comar 5P.i ECO is a casement window system which includes a 55mm and 75mm option.

In a busy educational environment Comar 7P.i Commercial Door sets are a natural choice. they have been designed specifically for commercial applications where high traffic solutions are required. Comar 7P.i CD doors were installed and, for safety, anti-finger trap stilts were specified. All aluminium systems were finished in a RAL 7011 Grey semi-gloss polyester powder coating to BS6264.

All Alu-Timber and Comar approved fabricators are required to have the technical expertise to attend pre-site meetings and provide detailing. Anglia Fixing Ltd liaised closely with the specifiers to provide design advice and detailing which ensured the project ran smoothly and met site deadlines.

PROJECT DETAILS

Architects:
Ingleton Wood, Billericay

Fabricator: Anglia Fixing Ltd

Main Contractor: T J Evers Ltd

Project Value: £75,000

System Used:
Alu-Timber EFT & Windows
Comar 5P.i ECO Windows &
7P.i CD Doors

Location: Benfleet, Essex



Appleton School, Benfleet, Essex.

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.

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 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.



RIBA CPD Provider

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

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 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.

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.

Technical Back-up & Training

At every stage of the tender process, Comar's Technical Department provide support and advice. Staffed by CAD design engineers, new profiles, design drawings and calculations can be obtained. To ensure the highest levels of fabrication and installation expertise, Comar offer a range of industry accredited and in-house training courses.



CURTAIN WALLING

Alu-Timber EFT - 60mm System.
2 & 4 sided structural glazing

DOORS

Open-in, Open-out & double doors.
65mm system, low threshold.

WINDOWS

Tilt & Turn & Casement, 65mm system.
Thermally efficient.

WINDOW WALLING

Thermally efficient, High span profiles to create 100mm & 150mm.
Windows & doors hang directly from frame.

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