



Deans Trust Academy, Ardwick, Manchester.



Comar Architectural Aluminium Systems, with their approved fabricator CB Solutions worked on building the new Deans Trust Academy at Ardwick in Manchester. Designed by Atkins this was Manchester's fastest ever built school, constructed and built within 38 weeks, 50% faster than traditional construction methods. Using the Select Schools programme, a Design for Manufacture & Assembly (DfMA) solution was created by Laing O'Rourke using modular units created offsite, this drastically reduced construction time and minimised waste in a heavily constrained brownfield site. This fast track construction method was paramount as the academy needed to provide 1,200 new secondary places for Manchester City Council's regeneration project, helping them meet their 16,000 student places target.

The Comar 5P.i window system was specified as it features 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. All 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. Comar 5P.i ECO is a casement window system which includes a 55mm and 75mm option.

In an extremely busy education environment, Comar 7P.i Commercial Door sets were the natural choice as they are one of the most comprehensive on the market today. Not only are they available in swing, pivot, sliding, auto-sliding and sliding folding, they have been designed specifically for applications where high traffic solutions are required. Polyamide Insulated (P.i) door systems also provide exceptional thermal performance in a market where energy efficient designs and meeting the demands of the latest building regulations are paramount. The Comar 7P.i CD door system can be hung directly into the Comar 9P.i thermally insulated framing.

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

PROJECT DETAILS

Architects:
Atkins, Manchester

Fabricator:
CB Solutions

Main Contractor
Laing O'Rourke

Project Value:
Part of a £24m Project

System Used:
Comar 5P.i Inserts, Comar 9P.i Framing & 7P.i Commercial Doors

Location:
Ardwick, Manchester

Deans Trust Academy, Ardwick, Manchester.

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 Project Managers.



CURTAIN WALLING

COMAR 6EFT Structural Glazing 2 & 4 sided

WINDOWS

COMAR 5P.i Windows, 55mm, 60mm & 75mm Polyamide insulation.

COMAR 10 Passivhaus Window System

DOORS

COMAR 7P.i Doors, Folding, Sliding, Swing & Polyamide Rebated.

WINDOW WALLING

COMAR 9P.i High Performance Windows, Doors & Framing.

GROUND FLOOR TREATMENT

COMAR 1 Single Glazed GFT

COMAR 3 Double Glazed GFT

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