



Greenbank Fire Station.



Greenbank Fire Station is the latest addition to Plymouth's constantly developing townscape. It is also part of the Regional Fire Stations Renovation Program. Boldly coloured glazed screens were installed, all set in sleek timber cladding and rugged stonework.

The Fire Station's most outstanding feature is its 6m high bay-shaped stairwell, glazed in Comar 6 curtain wall. The unusual shape of the glass screen was achieved with Comar 6 corner mullions which are adjustable from 15° to 145°. The high span mullions emphasise the verticality of the stairwell and bring it into sharp contrast with the rest of the predominantly low-rise elevation.

Standardisation of slim 50mm sight-lines was achieved through the versatility of Comar 6 which was used on the rest of the building's glass screens. For the entrances, Comar 7 swing doors were incorporated into Comar 6 and for the opening vents in curtain walling, Comar 6 houses bottom hung Comar 5Lt 45mm windows. For the windows on the stone-clad elevations, side hung Comar 5Lt are fitted directly into stone reveals.

In line with traditional Fire Stations the Comar aluminium systems were polyester powder coated to a standard Red RAL. To achieve the target U-value and compliment the design Opti-therm tinted double glazed units were used throughout.

PROJECT DETAILS

Architects
Crowe Caylor Architects.

Main Contractor
Kier Plymouth Ltd.

Project Value
£60,000.

Systems Used
Comar 6, 7 and 5Lt.

Location
Plymouth.

Greenbank Fire Station.

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.



GROUNDFLOOR 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.
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WINDOWS

COMAR 5	Windows, 45mm, 50mm, 55mm, 60mm & 75mm Polyamide.
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WINDOW WALLING

COMAR 2	Feature Wall T.B. Window Walling, Thermally Broken.
COMAR 9	High Performance Window, Doors & Framing

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