



# comar

ARCHITECTURAL ALUMINIUM SYSTEMS

London Fire Brigade, Knights Hill, West Norwood, London.



Comar Architectural Aluminium Systems; with their approved fabricator Veranti Systems recently completed a new build Fire Station at Knights Hill, Norwood in London for the London Fire Brigade. This new build is a result of a relocation from its former premises, a Grade 11 Listed building on Norwood Road, as the previous site was redeveloped into a mixed use project featuring 23 flats, and childcare facility.

Comar profiles are a natural choice for fire stations, not only are they slim but the additional wall thickness ensures a robust solution that maximises natural day-light.

In a market where energy efficient designs and meeting the demands of the latest Building Regulations are paramount Comar 5P.i Top/ Side Hung and Fixed Light thermally efficient, polyamide insulated windows were specified. These aluminium 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.

The design vision was to create a continuous glazed facade and with this in mind, and to ensure the design brief could be achieved, Comar 6EFT 4sided SG 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. Comar 6EFT 4sided SG also offers the slimmest silicon or EPDM joints in the industry, which means the eye catching glazed area is maximised.

In a busy public setting, Comar 7 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 applications where high traffic solutions are required.

## PROJECT DETAILS

Architects:  
Alan Bell Architects, London

Fabricator:  
Veranti Systems

Main Contractor:  
Wilmott Dixon

Project Value: £120K

Systems Used:  
Comar: 5P.i & 9P.i Top & Side Hung,  
6EFT (SSG) & 7P.i CD

Location:  
Knights Hill, Norwood, London



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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	
<b>COMAR 1</b>	Single Glazed GFT
<b>COMAR 3</b>	Double Glazed GFT
<b>COMAR 4</b>	Single Glazed GFT
<b>COMAR 8</b>	Fin/Bead GFT
CURTAIN WALLING	
<b>COMAR 6</b>	Curtain Walling, Stick Build & Ladder Frame, Square Cut & Step Cut.
<b>COMAR 6</b>	EFT Structural Glazing 2 & 4 sided
DOORS	
<b>COMAR 7</b>	Doors, Folding, Sliding, Swing & Polyamide Rebated.
WINDOWS	
<b>COMAR 5P.i</b>	Windows, 55mm, 60mm & 75mm Polyamide insulation.
WINDOW WALLING	
<b>COMAR 9P.i</b>	High Performance Window, Doors & Framing.

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