

What is roof glazing & how does it work?

The roof glazing allows natural light to penetrate deep inside the building for the benefit of the users and to reduce the energy consumption of artificial lighting. The structural systems used to support these roofs are designed to maximize the amount of light entering the building, using members of the minimum width possible.

How is glazing retained?

Glazing can be retained using discrete fixings at intervals on the edges of the panes. These "patch fittings" are bolted through the joints between the glazing units into the supporting steelwork. They are isolated from the glass by a nylon-based plastic washer and bush and the joints are silicone pointed to provide a seal.

What is point-fixed glazing?

Point-fixed glazing was first used on Les Serres, Parc de La Villette. The glass panes used on this project are about 2m square and are suspended from a secondary steel frame. The panes are joined together at the corners to form the glass enclosure.

How can steel-and-glass structures be customised?

Shapes, structures, materials and finishes can be customised to emphasise the unique character of each project. Steel-and-glass structures are designed using detailed 3D models. Parameterised data allows for scenario simulations, geometry optimisation, and the engineering of large, column-free spans.

A range of premium, super slimline steel facade, window and door systems, with performance characteristics such as thermal performance, sound insulation, fire resistance, strength and ...

We specialize in designing, engineering, fabricating, and installing high-performance architectural glass and metal systems. Our team is made up of certified installers, skilled machinists, project managers, ...

Legends is one of the HK's leading manufacturers of high quality sound proof and fire resistant windows, doors and glazing systems. We are based in Hong Kong ...

In the realm of architectural splendor, where glass and metal intertwine to create awe-inspiring structures, the strategic use of glazing aluminium profiles plays an indispensable role. ...

In the world of construction, terms like glazed hold significant meaning, as they refer to various materials and processes essential for the functionality, aesthetic, and structural integrity of ...

Aktif Aluminium has been a strong leader in the aluminium and glass industry in Malaysia since 1989. We specialise in the construction of domes, aluminium glass facade, aluminium glazing work, ...

Our thermally broken steel profiles allow designers to create glass curtain walls, sloped glazing and large-span rooflights with minimal sightlines, excellent energy efficiency and superior strength.

The slim, high-strength steel profiles offer architects creative freedom, enabling a wide range of roof glazing solutions--from pyramids and domes to pitched, gabled, and mono-pitched designs--while ...

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