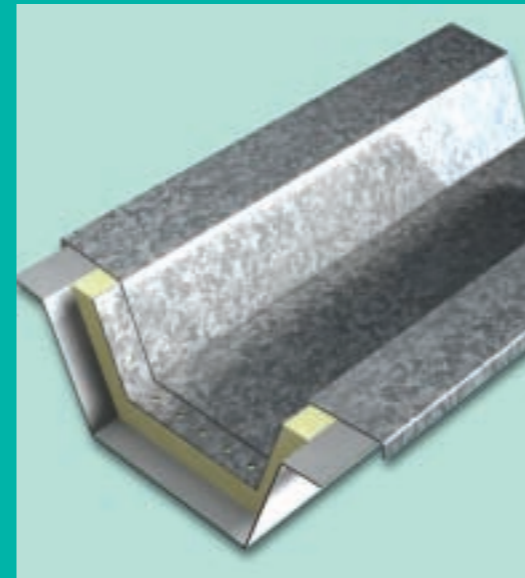


FABRICATIONS PRODUCT PORTFOLIO



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Designed and Produced by SEL Ltd, Birmingham.

Complete building envelope capability

QUEDRON TECHNICAL EXPERTISE

Whether performing an important function, creating a stunning aesthetic statement or simply providing the perfect finishing touch, Quedron has the products, knowledge and technical support to fabricate a total solution.

QUEDRON ADVANCED PRODUCTION

Employing top of the range equipment and CAD CAM production techniques ensures Quedron Qfab products are manufactured to the highest standards of quality and dimensional integrity demanded by specifiers and designers.

Standard and bespoke fabricated components

FABRICATIONS



MATERIALS AND FINISHES

Colour Coated Steel

Quedron offers an array of factory coated options including Plastisol, PVDF, Prisma and lining enamel. Life expectancy can be up to 30 years subject to coating choice, function and site location.

Galvanised Steel

Excellent for forming and shaping. Available hot dip pre-galvanised or galvanised after manufacture (GAM) allowing zinc coated steel to be specified for a multitude of applications.



Aluminium

Provides a high strength to weight ratio, excellent corrosion resistance and good formability, whilst being virtually maintenance free.

Special finishes and materials

Powder coated or anodised aluminium provides long life surface protection, plus colour choices to harmonise or contrast with the overall design scheme.

Stainless steel is a highly durable, aesthetic solution, ideal for 'highlight' building elements.

www.quedron.co.uk

fabriCations

QUEDRON QFAB RANGE

Qfab is a comprehensive range of high quality bespoke fabrication options.

Designed and developed to satisfy the demands of architects, contractors and building occupants, the Qfab brand comprises individual product collections covering from brise soleil to eaves systems, architectural flashings, soakers, louvres, rainwater goods, column casings, copings and cappings.

The Qfab portfolio offers the specifier an extensive choice of high quality specialist fabrications with a very competitive price structure, backed up with excellent levels of technical and logistical support.



FABRICATION AND ASSEMBLY PROCESSES

Welding

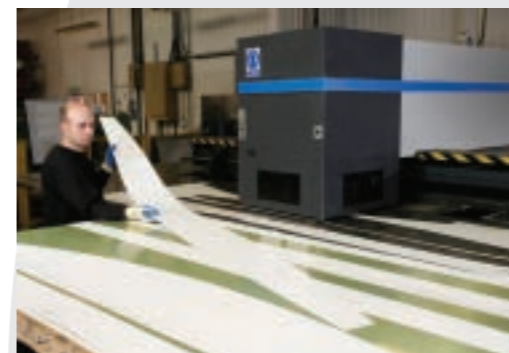
Tig and Mig welding processes are available for aluminium, mild and stainless steels.

Structural Adhesives

Tried and tested specialist adhesives are used to eliminate external fixings or visible welds on corners, panels and end stops.

Materials

Plastisol/PVf2/Prisma/ Lining Enamel:	0.70mm thickness: up to 6m long.
Plain Galvanised Steel:	0.7mm thickness: up to 6m long. 1.2/1.5/2.0/3.0mm: up to 4m long.
Mild Steel:	galvanised after manufacture brackets and cleats up to 20mm thick.
Aluminium:	0.7/0.90/1.2/1.5mm products up to 6m long. 2.0/3.0/4.0mm: up to 4m long.
Aluminium products available in plain, stucco embossed and polyester powder coated options.	
Stainless Steel:	0.7 – 3.0mm products up to 4m long.



QUEDRON TECHNICAL SUPPORT

Comprehensive technical advice and assistance is available to customers ensuring the optimum material/fabrication/finishing specification is established to suit the project, and deliver a finished product that satisfies all aesthetic and quality demands.

SUN LOUVRES AND SHADING

APPLICATION

Whether providing a practical solution to the problem of indoor solar gain and glare, or creating an aesthetic visual statement, brise soleil has become an increasingly important element in building control requirements as significant energy reductions are achievable when used with natural ventilation systems.

TECHNICAL

Systems are bespoke in order to meet the exact requirements of the designer/specifier. However, a typical specification would be constructed from polyester powder coated aluminium consisting of fixed zed blades set within a 'C' channel bracketed frame, securely anchored back to the wall structure. In the case of wide or deep frames, additional angled support struts are used to restrain the cantilevered section.



EAVES SYSTEMS, SOFFITS AND FASCIAS

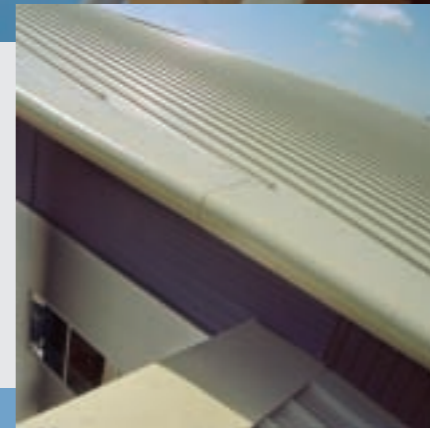
APPLICATION

Quedron provides a complete solution, from initial design parameters through to material selection, finishes and installation procedures to ensure a truly bespoke and comprehensive service is provided to satisfy both designer and contractor.

TECHNICAL

Trapezoidal section, tray, cassette and secret-fix plank options help offer the specifier an extensive eaves soffit design choice. Combine this with our shallow, deep, curved, elliptical and bull-nose fascias, Quedron can offer systems that will provide exciting features and complement any wall cladding construction.

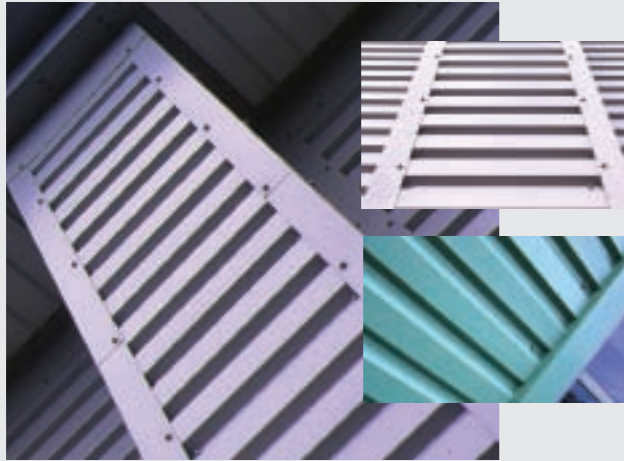
Material availability, manufacturing and jointing methods ensure a crisp and/or flush finish without the rippling/oil canning side effects associated with thin and basic jointed systems.



brise soleil

eaves

ARCHITECTURAL FLASHINGS AND FABRICATIONS



APPLICATION

Bespoke fabrications can create stunning features and visual effects enhancing the building's overall aesthetic appeal. Quedron appreciates every requirement is different and can assist the designer to achieve the desired solution within budget. Some typical product solutions within our portfolio are listed below.

Architectural Flashings

Combining form and function, flashings can provide so much more than simply finishing off the building envelope. A full suite of flashing details is held in-house to assist in their design.

COLUMN CASINGS, COPINGS AND CAPPINGS



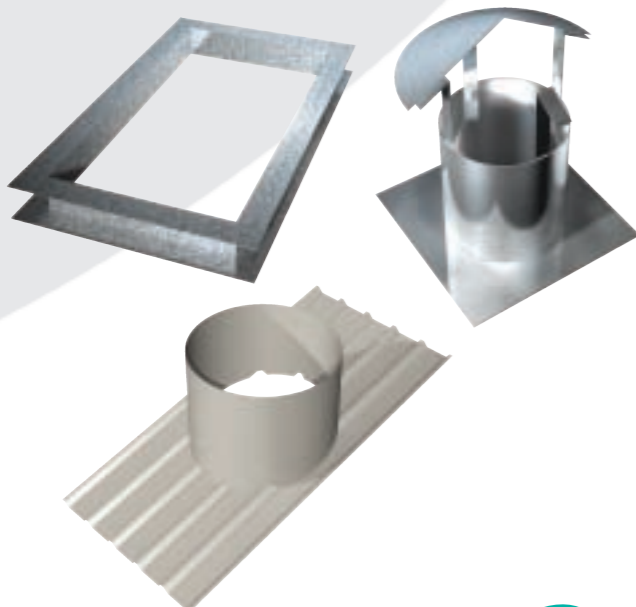
Column Casings

Casings can create outstanding visual design features both to the external façade and inside the building. On a practical note, they provide enclosures that hide primary structures such as steel or concrete beams, as well as services such as cabling and pipework.

Copings and Cappings

With a dual purpose to decorate whilst protecting vulnerable areas from the effects of weathering, all coping and capping products are produced to individual customer's specific requirements with secret fix fastening options available.

SOAKERS



Soakers

Forming a harmonised integral tie-in and offering a complete weatherproof construction, Quedron soaker units provide the answer to pipe penetration, rooflight support and roof access issues.

TECHNICAL

With the exception of flashings which tend to be produced from similar material to the profiled sheet, aluminium is widely specified, powder coated to contrast or harmonise the design scheme.

Early planning of fabrications is essential to ensure ease of installation and optimum performance. For further information please consult our Technical Department.

FIXED BLADE VENTILATION LOUVRES



APPLICATION

Fixed blade louvres create an attractive visual statement, whilst providing ventilation to important building areas, such as plant rooms etc. Available in a choice of materials and colour finishes, louvres can either harmonise or create stunning visual features with their clean and unbroken lines.

TECHNICAL

All louvres are manufactured to suit the client's precise size/specification requirements. Wall, door, rectangular, triangular, circular and irregular shaped options can be catered for with bird or insect mesh applied to the rear offering suitable protection without affecting the required ventilation levels.

Typically, a rivetted construction is used for pre-coated steel materials and fully welded for polyester powder coated aluminium designs.



soakers flashings louvres

ROOF DRAINAGE

APPLICATION

Roof drainage systems not only form an important part of the overall roof design, in the case of parapet and valley gutters, they become an integral element of the roof itself. Material options, design detailing, thermal bridging and insulation requirements are all important issues to be addressed when determining the appropriate specification.

TECHNICAL

Eaves

Galvanised, stainless and plastisol coated steel options are available, together with polyester powder coated aluminium for excellent corrosion resistance and aesthetics.

Valley

Factory assembled insulated gutters manufactured from one of the above material options are typically constructed with a rigid PIR insulation core enclosed by an internal closure piece matching the metal lining of the building.

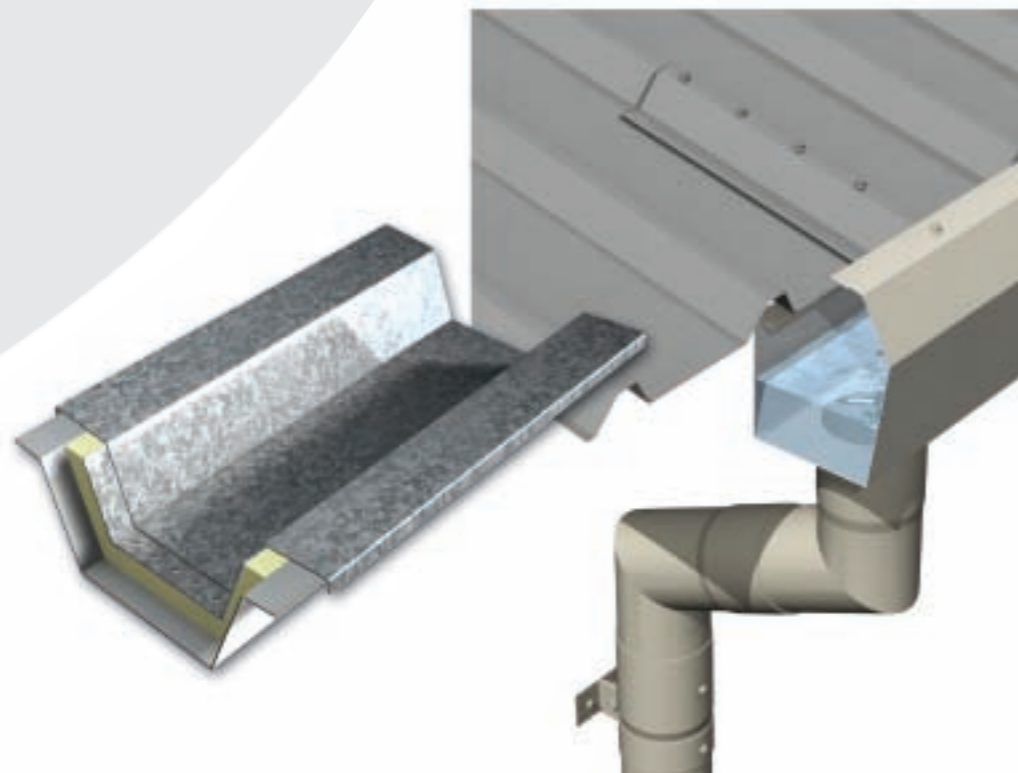
PVC and EPDM membrane lined gutters are also available and are becoming an increasingly popular choice due to their excellent longevity benefits and method of installation, where all joints, outlets etc are produced by hot air welding. This method of installation is carried out by trained contractors. Please contact our Technical Department for further information.

Jointing

Membrane gutters aside, all traditional eaves and valley gutters can be effectively jointed and sealed using one of four options - external joggle, internal joggle, strapped butt joint or flexible expansion joint.

Calculation

Specialist software is held in-house to assist designers in calculating effective gutter size, downpipe size and frequency.



DOWNPIPES, SWANNECKS AND ANCILLARIES

APPLICATION

Whilst functionality is an obvious requirement, visual aesthetics are now an increasingly important criteria in contemporary design. By carefully assessing the building requirements, location and site conditions, Quedron can assist designers to provide a complete solution that delivers on both form and function.

TECHNICAL

Downpipes

Quedron offers an extensive range of polyester powder coated, square and round downpipes available in 100mm and 150mm standard diameters. A 100mm square 'lock-formed' double sided plastisol coated steel option is also available to complement or feature the external cladding on a building. Software is held in-house so advice can be given concerning outlet and downpipe size/frequency requirements.

Rodding Eyes

Access for rodding can be incorporated into any downpipe design by manufacturing units with removable front cover plates.

Hoppers

Functional and architectural hoppers can be catered for within any design.

Swannecks, elbows and shoes

Quedron jointed swannecks, elbows and shoes offer a variety of bespoke size, angle and length possibilities to meet project requirements.

Brackets

One and two piece designs are available to cater for site installation requirements.

Anti-climb

Anti-climb solutions can be incorporated into the project design. For further assistance please contact our Technical Department.



PRODUCT SELECTOR																		
	Standard Dimensions		Joining/Assembly Process					Materials/Finishes										
	Design Parameters	Maximum Gauge /Length (mm)	Swagged Collar	Loose Collar	Joggled Joint	Mastic Joint	Nuts & Bolts	Loose Butt Strap	Welded/Secret Strap	Galvanised	Stainless	Plastisol	PVDF	Prisma	Lining Enamel	Mill Finish	Stucco Embossed	Polyester Powder
Brise Soleil	Bespoke	N/A																
Soffit Panels	Bespoke	3000																
Bullnoses	Minimum Radius 115mm (2mm)	3000																
Flashings	Stl	Bespoke 1230mm max girth																
	Alu	Bespoke 1250mm max girth																
Soakers	Bespoke	N/A																
Column Casings	Bespoke	3000																
Copings/Cappings	Bespoke	As Flashings																
Louvres	Maximum drop 1500mm	3000																
Gutters	Stl	Bespoke Boundary wall & Valley																
	Alu	Bespoke Boundary wall																
Downpipes	Stl	100mm square																
	Alu	100mm diameter																
	Alu	150mm diameter																
Alu	100mm square																	

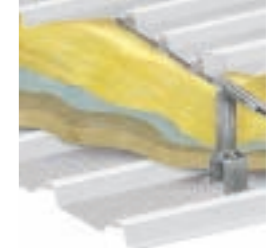


The Quedron Portfolio - Cladding solutions in their entirety

Offering systems to meet all your demands - Quedron have it covered

ROOF CLADDING SYSTEMS

Fast, economical and flexible roofing systems that can be adapted to meet designer demands for specific structural, thermal, acoustic and critical path installation requirements. Ideal solution when specified for use in light industry, retail, sports and leisure applications.



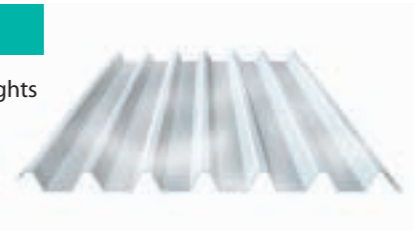
SECRET FIX ROOF SYSTEMS

Providing crisp 'standing seam' aesthetics, SF500 is a specially designed low pitch secret fix solution with factory or on-site rolling options to cater for long, continuous ridge to eaves sheet lengths. Suitable for new build, refurbishment and flat to pitch projects.



ROOFLIGHTS

Offering the proven benefits of natural daylight, Quedron's range of rooflights perfectly complement the various roof cladding systems available and significantly improve the internal environment of any building, whilst satisfying all durability, thermal, safety and fire requirements.



WALL CLADDING SYSTEMS

With vertical, horizontal, acoustic and fire resistant options, Quedron wall cladding systems offer an adaptable, sustainable and economic solution to wall cladding design. Available in a range of profiles, materials and colours ensuring aesthetics do not have to be sacrificed for performance.



ROOF DECKING SYSTEMS

Encompassing all elements of built up roof deck design including built up flat roof sections for insulated single ply membrane systems, structural decks typically for supporting specialist standard seam roof systems and long span structural tray sections accepting slate, tile and profiled sheet systems.

