



Aluminium



Aluminium Windows
Screening
Entrance Door Systems
Bi Fold Doors

The Complete Package...

Offering all the benefits of a GGF member



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The N&C Glass range of aluminium windows, screening and entrance door systems offers the commercial and domestic market an environmental and economic product with inherent versatility and design flexibility – the ideal choice for schools, hospitals, shop fronts and general local authority applications.



BS4873
Aluminium alloy windows
KM508552
Profile supplied by Beaufort
Secure design Ltd



BS7950/BS4873
Enhanced security
performance
KM508556
Profile supplied by Beaufort
Secure design Ltd



From start to finish N&C Glass ensures quality at every stage

Doors and windows are integral to the design of any building and form an integral part of the building envelope. Aluminium gives the architect and specifier the versatility to produce windows with slim sight lines in a vast range of colours without compromising the thermal efficiency or levels of security of the building.

Aluminium can enhance the aesthetic appeal of any building whether a new build application or a refurbishment project. Whatever the requirement the versatility and strength of aluminium makes it material of choice for the commercial market.



Benefits & Performance

Exceeding the Standards

The N&C Glass – Beaufort Range – Composition, Manufacture & Authority

BS 4873: Specification for aluminium alloy windows

BS EN 14351-1 Windows and doors product performance characteristics

BS EN 12020-1&2:2001 Aluminium & aluminium alloys – extruded precision profiles

BS EN 12206-1:2004 Powder organic coatings of aluminium for architectural purposes

BS 6496 Specification for powder organic coatings to aluminium alloy extrusions for external architectural purposes

BS 3987 Specification for anodic oxide coatings on wrought aluminium for external applications

BS 6262 Code of practice for glazing for buildings

BS 6375-1 Performance of windows – classification for weather tightness

BS 6375-2 Performance of windows – specification for operation and strength characteristics

BS 7950 Specification for enhanced security performance of casement and tilt/turn windows

EN 10077-2 Thermal performance of windows, doors and shutters Calculation of thermal transmittance and numerical method

The N&C Glass – Beaufort Range Aluminium system has been extensively tested and holds the following accreditation

Secured by Design

Kitemark to BS7950

Kitemark to BS4873

PAS 23: Weather Performance

PAS 24: Enhanced Security

The N&C Glass – Beaufort Range Aluminium systems conforms to all aspects of the building regulations including:

Part A: Structural Safety

Part B: Fire Safety

Part E: Resistance to sound

Part F: Ventilation

Part L: Conservation of Fuel & Power

Part M: Access to & Use of Buildings

Part N: Safety Glazing

Environment

N&C strongly believe in the ethos of responsible sourcing, protecting the environment and promoting sustainability.



Performance

Designed to achieve A rating on BFRC window energy rating

Designed to achieve U Values as low as 1.3W/m2K

Exceeds thermal insulations standards set out in Part L, and Part J



Aesthetic appeal

Slimmest possible sightlines,

Clean, neat and elegant styling

Tough protective powder coated finish

Over 500 colour choices available

Guaranteed finishes

Dual colours inside and out



Security

Strength – equals security

Ideal for multi-point locking systems

Surpasses all stringent security and weather tests.



Durability

Low in weight – High in strength

Easy to clean and maintain

Longer life cycle expectations

Naturally resistant to corrosion



Applications

Schools

Hospitals

Shop Fronts

Local Authority





Advanced Plus Windows

All N&C Aluminium windows are manufactured to your own exact specification from the Beaufort Advanced Plus fully integrated system.

A complete range of windows are available to suit all potential requirements, including side hung sashes, top hung sashes, standard fixed lights, tilt & turn and top swing reversible window combinations.

Turn only

Tilt and Turn

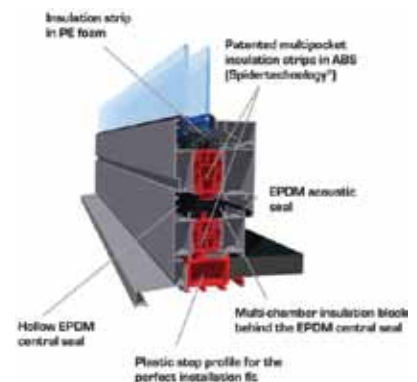


In addition N&C offer a range of ancillary products including cills, coupling profiles, corner posts and trickle vents. The Advanced Plus system is also designed to accommodate varying thicknesses in glass, min 28mm – max 32mm.

With a wide range of colours and window furniture you can rest assured that N&C will supply a product that is fully compliant with all the latest industry standards, that is secure and thermally efficient, friendly to the environment and fully complies with your design specification.

Aluminium

designed to perfection – delivered on time – on budget



Maximum Sizes

Top hung sash	1250mm wide x 1300 high
Side hung sash	750mm wide x 1500mm high
Fixed lights	3000mm wide x 3000mm high
Tilt before turn	1400mm wide x 2360mm high
Top swing rev	1600mm wide x 1600mm high

Entrance Door Systems

High performance and ultra secure aluminium commercial doors by N&C Glass offer the very latest in security door performance. Tested and certified to BPE'S LPS 1175 security rating 2, the commercial door system provides secure resistance to intruder attack by combining the inherent strength and durability of aluminium along with the very latest in secure hardware.

Features

Slimmer profiles and sight lines

Wide range of locks and handles

Meets all current regulations and specifications

Low threshold options to comply with DDA

Custom made to your exact specification

Low maintenance

Anti - finger hinges on request



Top Swing



Advanced Plus Entrance Doors

Make an individual statement and add value to your home with a secure new N&C Advanced Plus Door. Rest assured that your new door will give you and your family complete protection from the elements and will definitely deter an unwelcome intruder. All doors are fitted with high security multi-point locking systems and come complete with a choice of customisable door furniture.

Design Features

Designed specifically for the UK market:

- Unique polyamide Eurogroove design.
- Sculptured detail that creates a picture frame view through door.
- Designed to incorporate standard and security hardware using the same prep detail.
- Accepts a full range of restrictors and access control devices.
- Available as a standard door option or with a PAS23/PAS24 upgrade.





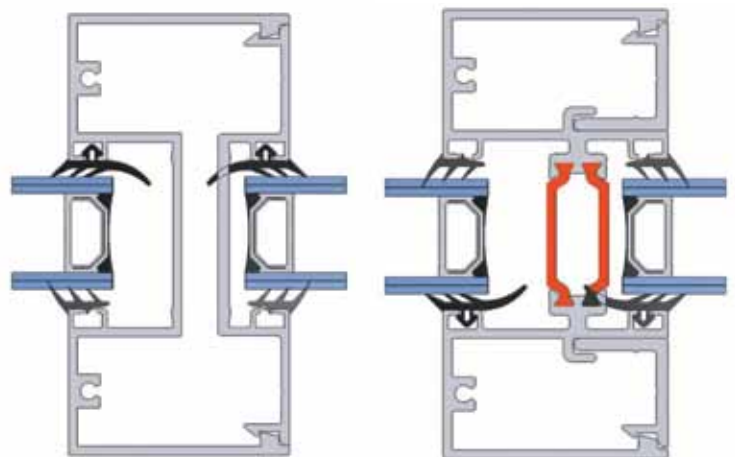
N&C Glass Krios. Thermally Enhanced Aluminium Ground Floor Treatment Systems

Krios is designed to provide a versatile and flexible solution to shop fronts, entrances and ground floor framing. Krios is a comprehensive and high performing system that includes thermally broken screening, a range of high-traffic, anti-finger trap doors suitable for both single and double storey application.



Design Features

- Pocket or Bead glazed for ease of site glazing
- 110mm frame depth to accommodate varying types of applications
- Slim 55mm frame profile for increased glass appearance
- Ladder frame construction to enable easy on-site installation
- Fully compatible with the Blyweert range and Beaufort range of systems





N&C Glass Kratos. Thermally Enhanced Aluminium High Rise Curtain Walling

Kratos curtain walling systems gives you the flexibility to create impressive, high performing and functional façades designed to allow maximum solar penetration into the building. The system is thermally broken and can incorporate fixed lights, opening vents and a full range of doors. Kratos curtain walling can be faceted, curved or angled to provide large expanses of uninterrupted glazing.

Design Features

- 52mm capped high rise curtain walling system
- Multiple drainage methods including mullion and zonal
- Multiple face caps allowing you to create any architectural aesthetic
- Fully integrated vent options including POV, TBT and Casements
- Up to 8mtrs of unsupported Atriums



Aluminium Bi-Fold Doors

The N&C Glass range of Bi-Fold Doors are the perfect way to open up your home. Whether you choose to relax in a stylish open plan living area or you want to create beautiful panoramic views from any room, the N&C Glass Bi-Fold Door provides you with the versatility and flexibility you need to create this relaxing and ambient environment.

STYLE OPTIONS

- Two Panel
- Three Panel
- Four Panel
- Five Panel
- Six Panel
- Eight Panel

All layouts shown above can be reversed. Clean modern aesthetics



CONFIGURATIONS

Available in a range of styles and designs, panels can be stacked inside or outside of the room, to the left, right or split to stack on both sides. Door sets can be manufactured to replace entire walls to maximise your opening space.

Door panels can be used in any configuration, style and design
All configurations are available in both open-in and open-out options
Full range of suited hardware
Glazing sizing range of 28mm – 44mm
Available in any single RAL colour or dual colour option

SIZING

Minimum Width	1600mm
Minimum Height	1600mm
Maximum Width	6200mm*
Maximum Height	3000mm*
Maximum Sash Weight	100KG*

Please Note:
Individual panel width not to exceed 1000mm
Panel height, width and weight are dependent on style
The sizes detailed above are for guidance only
Please contact N&C Glass for further details.

DESIGN FEATURES

- Internally beaded with a softline detail to all external doors and panels
- Chamfered and square beaded options
- 4 stainless steel wheels ensures smooth and consistent operation
- Unique, flush line pop-out handle that allows maximum door opening
- Low threshold option (Part M – Building Regulations)



PERFORMANCE

- High security hinges and locking mechanisms as standard
- Shootbolt top and bottom of the interlocks for enhanced security
- Unique high strength roller design for increased weight capacity
- Dedicated bottom bogey guide for consistent operation and increased security
- Double track threshold allowing greater stability
- Door U Value 1.7w/m2k



Top Guides



Middle Hinge



Bottom Wheels & Guides





N&C Glass Hybrid Systems

N&C Glass Ltd are introducing a true environmental statement. A new and unique concept in façade solutions. The N&C Glass Hybrid System is a fully tested and compliant composite timber and aluminium window system, which achieves remarkable insulation properties and is complemented by a matching door and curtain wall range.

All N&C Glass Hybrid Products are manufactured at our premises in Ely. Combining the long life and low maintenance of aluminium to the exterior, with the aesthetic and environmentally focused benefits of engineered timber to the interior, the range surpasses all current benchmarks.

N&C Glass Hybrid System offers the ideal solution for both new build and refurbishment projects, where aesthetics, performance and sustainability are paramount.





Aluminium Installations

Here are a few N&C Glass bespoke aluminium installations which have all been manufactured at our premises in Ely and demonstrate the skill and versatility of our craftsmen. N&C Glass are always willing to work with architects and designers to produce something truly original.





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Web: www.nandcglass.co.uk

You will find us on Lancaster Way Business Park,
which is off the A142 road between Ely and Witchford,
directions from the A10 Ely bypass, take the exit by
the Little Chef/BP garage.

Opening hours:
7 a.m. - 5 p.m. Monday to Friday
7 a.m. - 12 noon Saturdays

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