

GRP DOORS



INNOVATIVE DOOR SPECIALIST



Birtley Building Products has over 15 years experience in the specification, design and manufacture of complete doorsets.

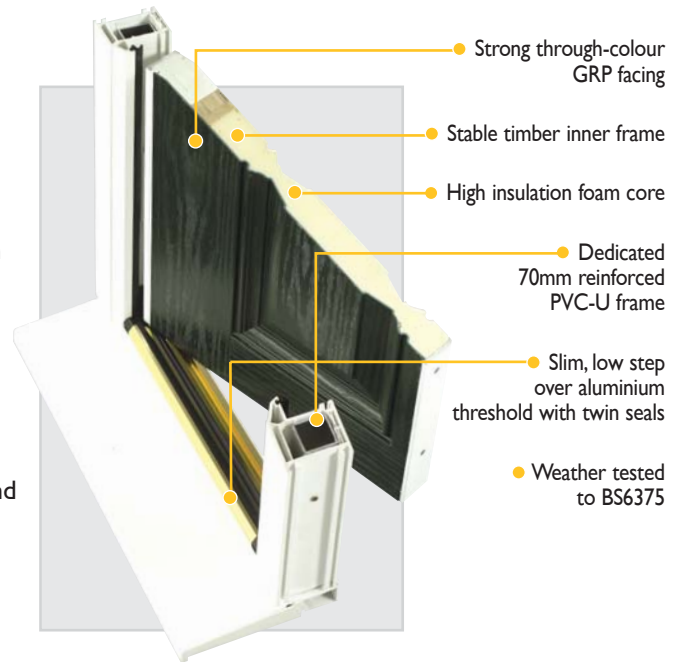
The Birtley range of residential doors has been created to perform in looks, strength, low maintenance and weather resistance.

Your ideal solution to social housing and new build properties.

- Over 15 years experience with a reputation to match
- Rapid turnaround
- Dedicated in-house team
- Contract Management including surveying
- Supply and fit
- Choice of high performance steel and GRP composite entrance doors
- Secured by Design and PAS23/PAS24 accredited
- Flexible approach to high security hardware and furniture
- Specialist expertise in both new build and social housing markets
- Environmental Commitments

LOW MAINTENANCE GRP ENTRANCE DOORS

Our high performance GRP composite door combines superior traditional wood effect aesthetics with low maintenance technology. GRP doors will not bow, warp, crack, splinter, dent or rust, yet retain the warmth and traditional look of real wood without the disadvantages.



Birtley Building Products GRP doors are all constructed by bonding high impact fibreglass (GRP) outer skins to composite rails surrounding an inner core of very high thermally efficient insulating foam (CFC free). The inner core also acts as a superior sound proofing agent.

Birtley GRP doors are low maintenance, all that's required is an occasional wipe down with a soapy cloth and they will never need painting.

Available in 10 different designs, a choice of attractive colours and an range of decorative glass styles adds to the overall kerb appeal.



YOUR ULTIMATE DOOR

- ✓ Low maintenance
- ✓ No warping, twisting or bowing
- ✓ GRP leaf will not crack and has a high dent resistance
- ✓ Tested to PAS23/24 and Secured by Design
- ✓ Wood effect aesthetics without the disadvantages
- ✓ Choice of colour options
- ✓ Grained effect door skins
- ✓ Improved edge detailing technology
- ✓ Choice of hardware and furniture
- ✓ Sidelights available
- ✓ 10 year guarantee
- ✓ Door widths and heights are trimable
- ✓ 10 different designs

DOOR STYLES

A choice of door 10 different door styles are available



CUTHBERT



ALNWICK



WARKWORTH



BEDE



AYDON



BAMBURGH



LINDSFARNE



AMBLE



BERWICK



WHITBURN

(White grained only).

COLOUR OPTIONS

GRP composite doors from Birtley Building Products are available in a grained effect leaf and are available in a choice of colours - all with a white internal finish.



White



Blue



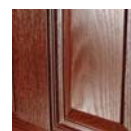
Red



Black



Green



Rosewood



Oak

Colours shown are for guidance only.

GLAZING CHOICE

Glazed doors available in a choice of glass options including clear, bevelled and patterned.

We use 4mm toughened glass externally as standard (6.4mm laminated for Secured By Design) and 4mm toughened glass internally, providing 26mm double glazing units.



HARDWARE AND FURNITURE

We offer a range of hardware and furniture to ensure homes are secure, such as a 180° eye viewer, security chain, sleeved letter plates in a choice of brass, steel or chrome.

All our lock keeps and hinge fixings utilise twin fast screws and our high security loose pin hinges feature integral hinge bolts. Importantly our Secured By Design approved multi point locking system, provides entry with a latch withdrawal using a key rather than a lever, featuring pick resistance and anti drill cylinders accredited to BS 1303 Grade 3, complete with 3 keys.



We offer a flexible approach to high security hardware and door furniture to ensure we can meet your specific requirements.

GRP DOORS PRODUCT SPECIFICATION

DOOR LEAF

- Fibreglass-faced composite door leaf of nominal 44mm thickness
- Supplied through colour or unfinished ready for painting
- Hardware and glazing may be pre-fitted

Fibreglass Facings

- Fibreglass facings both sides of door
- Nominal 2mm thickness
- Compression moulded to door pattern
- Smooth or grained effect surface finish

Finish – Unfinished

- Buff colour
- Grained effect surface finish
- Accepts most paint types, including:
 - Oil/solvent based primers, top-coats and stains or varnishes
 - 2-part automotive systems
 - Water borne systems

Finish - Through Colour

- No finishing required
- Grained or smooth (white only) effect surface finish
- UV stable colour options:-
 - White smooth, White grained,
 - Black grained, Red grained, Blue grained,
 - Green grained, Oak grained, Rosewood grained

NOTE: Supplied white inside as standard. Whitburn is available as white grained only

Core Insulation

- Injection filled rigid polyurethane core:
 - Foamed density: 42 kg/m³
- HCFC and CFC free – Ozone Depletion Potential (ODP) Rating: zero
- GWP=1

Glazing System

- Cassette glazing system with grained effect
- Full perimeter closed cell acrylic glazing tape and silicone weather seals
- Supplied unfinished ready for painting or painted to match door
- Most designs accept 26mm thickness double-glazed units to BS EN 1279-2:2002
- Glazed units incorporate toughened or laminated glass to BS 6206
- Low-e glass may be supplied

NOTE: Low-e glass is not required for compliance with part L1 of the Building Regulations for England & Wales

DOORSET U-VALUE

- Maximum doorset U-value: 2.0 W/m²K (WITHOUT low-e glazing)

PRODUCT WEIGHTS (Nominal)

Product	Leaf	PVC-U Doorset	Timber Doorset
Solid	30kg	45kg	
1/2 glazed	35kg	50kg	50kg

GRP DOOR LEAF TOLERANCES ON DIMENSIONS

Tolerances below are inline with the acceptable limits quoted in the proposed annex D document

Leaf size	+/- 3mm
Thickness	+/- 1mm
Bow	Max 4mm
Twist	Max 4mm

The measurements should be taken at 20°C +/- 10°C

The above measurements may be exceeded under the action of sunlight and wind pressure but must return to these tolerances once that effect has been removed

PVC-U OUTER FRAME

Profile 22® 70mm PVC-U Frame System

- Reinforced with aluminium (extrusion to BS 6063 and BS 1474)
- System compatible mechanically fixed combination frames available
- UV stable white through colour
- Cill or goal-post arrangement: Mechanically fixed with purpose-designed cleats
- Add-on and ancillary profiles available
- Kitemark: BS7413 (licence no KM 12895)
- Five cill size options (30mm high): 85mm; 125mm; 155mm; 180mm; 225mm

PVC-U Frame Fittings

- Patented design butt hinge in white powder-coated or anodised gold finish: Non-removable stainless steel pin; Nylon bushes
- Aluminium threshold options in anodised gold or mill finish; compliant with part M of the Building Regulations for England & Wales (subject to installation)

TIMBER OUTER FRAME

- 88mm outer-frame size
- White or brown gasket fitted
- Hardwood cills in a range of size options to suit installation requirements

Integral toplight and sidelight combination frames available

- Panel glazed sidelights
- Direct glazed sidelights & toplights
- Glazing to NHBC guidelines

Timber

- Redwood softwood vac treated
- Sapele/Meranti hardwood

Components to BS EN 942:1996

- Outer frame: Class J30
- Beads/Cills: Class J10

Timber Frame Fittings

- Loose pin steel butt hinges in bright zinc or yellow passivated finish
- Aluminium threshold options in anodised gold or mill finish; compliant with part M of the Building Regulations for England & Wales (subject to installation)

HARDWARE

3-Point Multi-Point Locking

- 3 deadbolt and centre latch
- 92mm handle centres; 45mm backset
- Euro-profile cylinder; brass or nickel finish
- 16mm wide faceplate
- Lever-lever (92mm centres, sprung)
- Adjustable keep system (seal compression)

Mortice & Rim Locks

- 5-lever mortice sash-lock or dead-lock Kite-marked: BS 3621:1980; 64mm case size
- Euro-profile 5-pin cylinder mortice sash-lock or deadlock; available Kite-marked: BS 3621:1980 with 6-pin anti-pick/drill cylinder and security escutcheon; 64mm case size
- Rim night latch; 40mm narrow stile; brass or chrome plated

LEVER FURNITURE

- Cast aluminium lever furniture anodised gold or satin (silver), bright gold and bright chrome finish
- Solid brass lever furniture

Letterplates

- Integral weather seals, internal brush-seal
- Extruded aluminium sprung internal and external flap; anodised gold, bright gold, satin (silver) or bright chrome

Ancillary Hardware

- A range of hardware is available, including:
 - Brass mortice bolts; steel hinge bolts
 - Solid brass urn knocker
 - 180° viewer: chrome/solid brass
 - Solid brass/chrome plated door chain

NOTE: Doors may be fitted with virtually any hardware specification to meet individual requirements (e.g. master keyed)

STANDARDS

PAS 23-1:1999 & PAS 24-1:1999

General performance requirements & enhanced security performance requirements for door assemblies

- Single leaf PVC-U or hardwood outer frame fibreglass doorsets available as tested and passed at UKAS accredited test houses to PAS 23-1:1999 and PAS 24-1:1999
- Copies of test reports available on request
- Must be supplied to specification as tested
- Fully assembled doorsets must be supplied

Secured by Design

- Single leaf PVC-U or hardwood outer frame fibreglass doorsets available as Secured By Design licensed products Specification as per PAS 23-1:1999 and PAS 24-1:1999 with additional security:

ALL DOORS:

- One pane of glass laminated
- Locking cylinder to BS EN 1303
- Grade 3, with anti-pick and anti-drill
- 3-point locking

FRONT DOORS ONLY:

- Door viewer between 1200 & 1500mm
- Door chain fitted
- 3-Point lock



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THE BEST WINDOWS ARE MADE FROM



✓ PAS 23



✓ PAS 24



POLICE PREFERRED SPECIFICATION