

FIRE STOP DOORS

EMPLAS

**WINK
HAUS**

DOORCO®

FIRE STOP DOORS

30-minute Fire Stop Doors are a step above the rest, achieving market leading results for fire safety and security. The reassurance you need when choosing a fire door, paired with unrivalled versatility and style.

DELIVERED BY

EMPLAS

The window and door fabricator of choice

IN PARTNERSHIP WITH

WINK HAUS

&

DOORCO

DOORCO®

The UK's leading innovator of composite doors. Launched in April 2025, DoorCo's comprehensive range of 30-minute Fire Door slabs has been approved for the Winkhaus UK FireFrame Doorset Scheme.



Largest range of composite fire doors on the market

UK CA

UKCA Approved



Security
PAS24: 2022 and Secured by Design



Smoke Resistance
BS EN 1634-3



Fire Resistance
BS EN 1634-1

ISO

ISO: 9001
ISO: 14001



37 - 48kg



10 Year Warranty



Door furniture for illustrative purposes only. Please see page 22.



The low-maintenance Winkhaus FireFrame® system is manufactured from a specially developed GRP (glass-reinforced polymer) with fire-resistant additives. Fire tested from inside and outside of the door, Winkhaus Fire, Smoke and Security Doorset Solutions are:



Fully compliant with MHCLG Government guidelines



Tested and compliant with third party certification Q-Mark schemes for Fire, Smoke and Security



Fire tested to BS EN 1634-1:2014 and A1:2018



Smoke control resistance tested to BS EN 1634-3:2004



Tested to full PAS24 Enhanced Security Standard

FireFrame®

Winkhaus AV2 & AV2-E Locking Systems

Our Fire Doorsets are tested and certified in the latched not locked position, without the deadlock engaged to simulate how doors are commonly closed. Doorsets tested in this manner may have difficulties in achieving a satisfactory fire test result as the heat can cause the door leaf to bow and twist. The autoLock AV2 engages automatically in three positions which helps hold the door leaf against the intumescent seals and thereby achieving a 30-minute fire and smoke performance rating.

Solid Anti-Push Back Hooks

The effective automatic multi-point locking system has two solid hooks, which throw automatically when the door is closed, ensuring complete claw engagement and security against the lock being pushed back. This means the door is securely locked when pushed closed, rendering break-in difficult.

Heavy Duty Steel Keeps

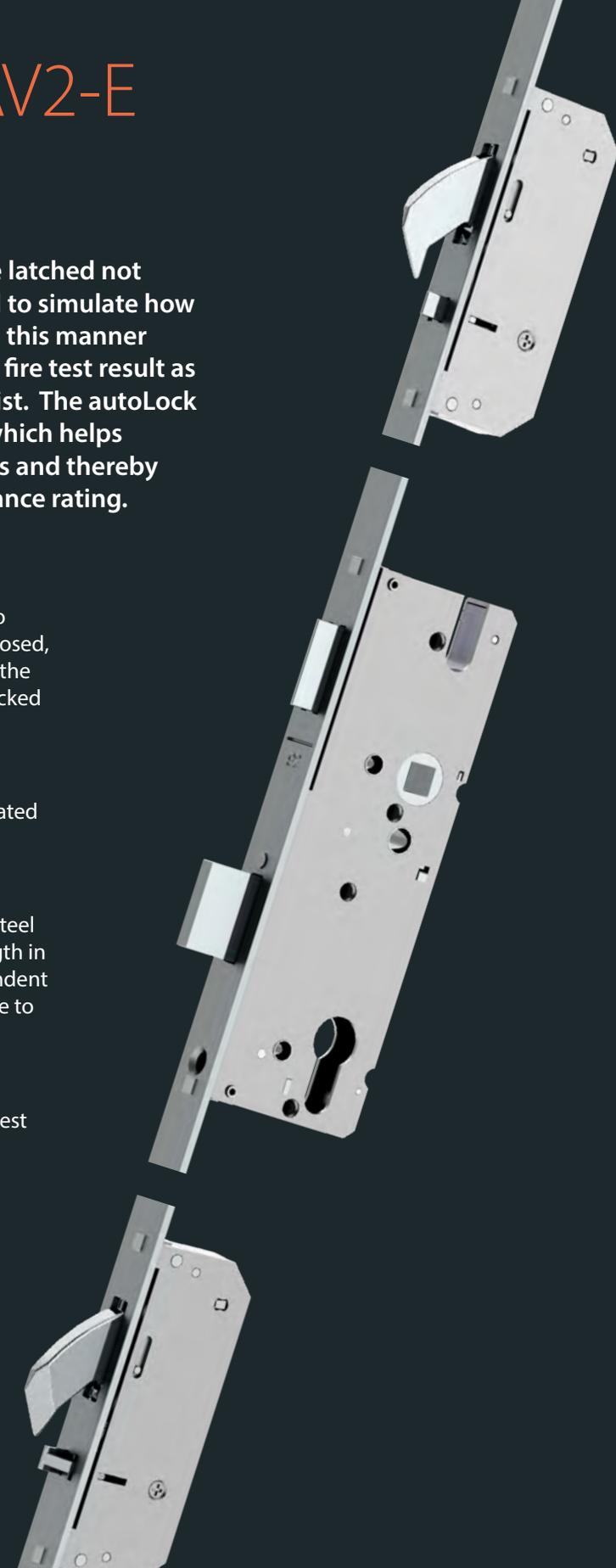
Heavy duty keeps manufactured using high grade steel, plated to comply with Grade 5 corrosion resistance BS EN1670.

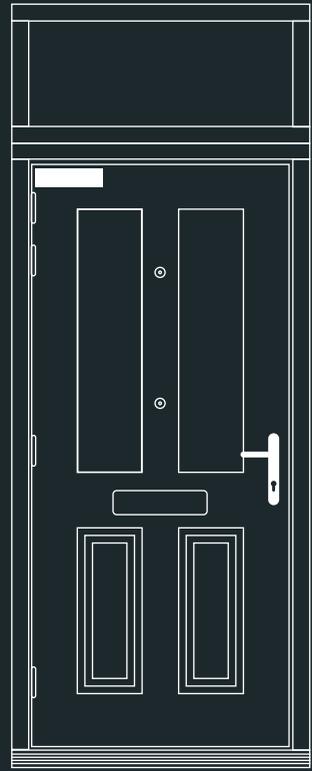
Latch and Deadbolt

Precision engineered alloy sprung latch and nickel plated steel deadbolt provides the autoLock AV2 with maximum strength in the centre of the door. With an added option of an independent central deadbolt with key or thumbturn activation available to suit residential or communal entrance doors.

High Performance Gearbox

Tested to 100,000 cycles the sprung gearbox offers the lowest possible operating forces and helps prevent handle 'droop'.

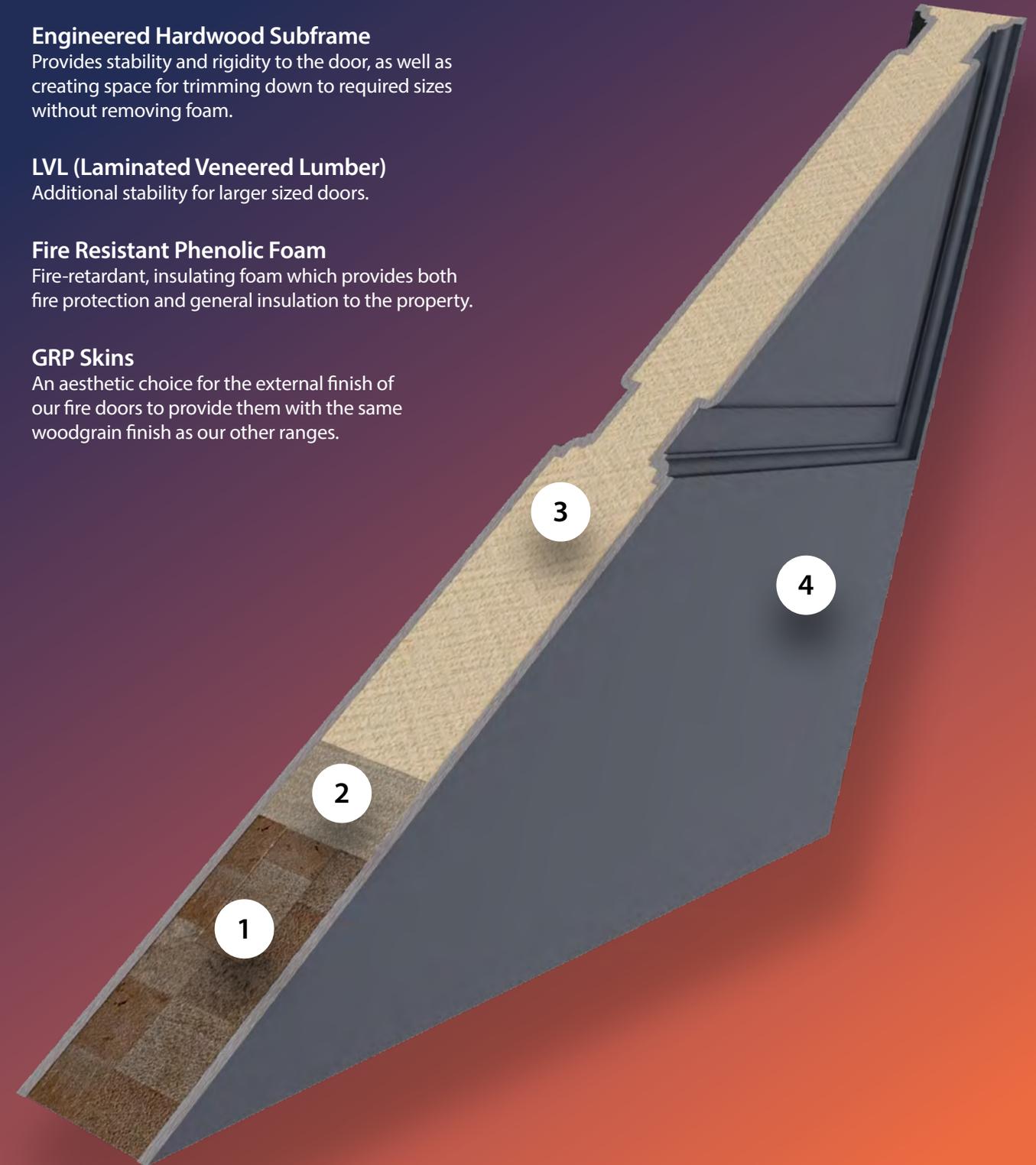




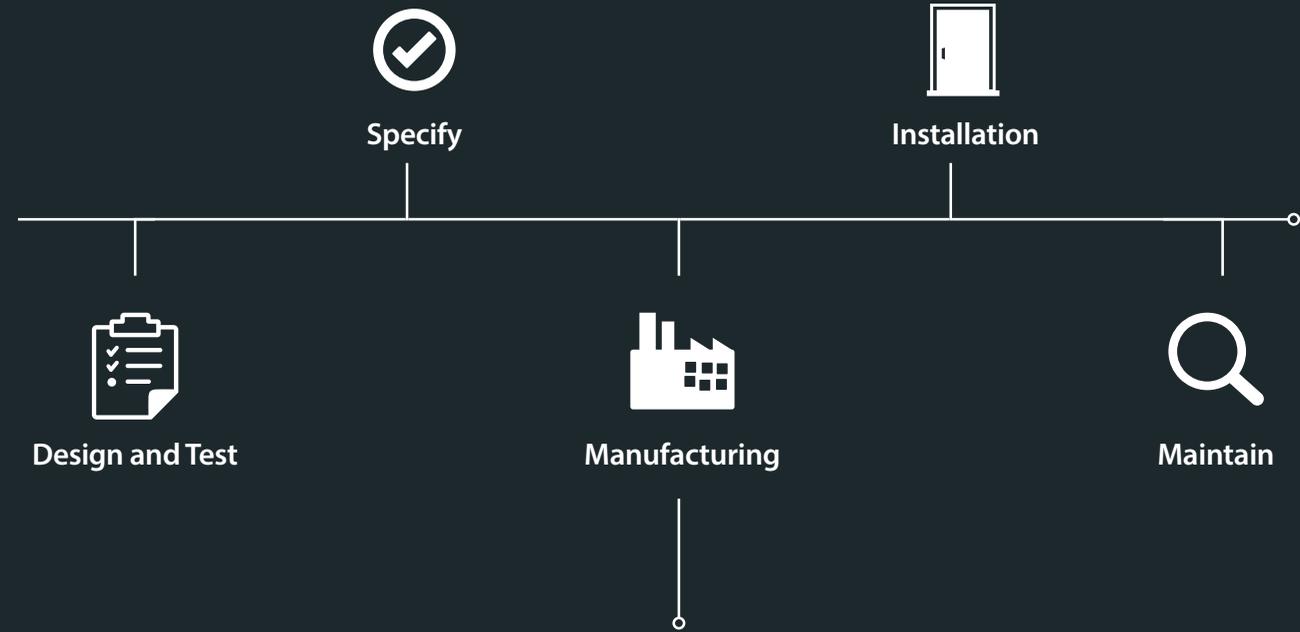
Independently tested by Warrington Fire as part of BM Trada 170 certification, The Emplas 30-minute fire doorset achieved up to 58 minutes fire integrity with no failings recorded (test was terminated at 58 minutes).

The Internal Core of the Fire Stop Door

- 1 Engineered Hardwood Subframe**
Provides stability and rigidity to the door, as well as creating space for trimming down to required sizes without removing foam.
- 2 LVL (Laminated Veneered Lumber)**
Additional stability for larger sized doors.
- 3 Fire Resistant Phenolic Foam**
Fire-retardant, insulating foam which provides both fire protection and general insulation to the property.
- 4 GRP Skins**
An aesthetic choice for the external finish of our fire doors to provide them with the same woodgrain finish as our other ranges.



The Golden Thread



DoorCo Korea Q-Mark 047 Door Blank Scheme.

Door Blanks are manufactured and supplied by DoorCo as part of the BM Trada 047 Door Blank Q-Mark Scheme and are subject to annual factory process control auditing to maintain continuous certification.

Winkhaus UK Q-Mark 171 System Supplier Scheme

Doorset supplied using the Winkhaus FireFrame® incorporating the DoorCo door blank are tested and approved for resistance to fire, ambient smoke control and PAS24 security as part of the BM Trada 171 Composite System Supplier scheme, which is subject to annual process control auditing to maintain continuous certification.

Fire Stop Doors in FireFrame® shows great consistency as a fire doorset combination having passed more than 50 tests when tested to BS EN 1634-1

DoorCo System Supplier Certification Q-Mark Certification

DoorCo UK are approved under the Winkhaus System Supplier Scheme for the machining of door blank and are subject to annual audit for continuous certification.



Emplas has achieved Q-Mark Composite Fire Door Manufacture and Q-Mark Enhanced Security Doors certification in line with BM Trada requirements.

Scope of certification:
Winkhaus 30 Minute Fire/Security/Smoke Control Doorset Range – Winkhaus FireFrame® with DoorCo Solid and Glazed Door Leaf Inward & Outward Opening Composite Doorset (Glazed or unglazed).

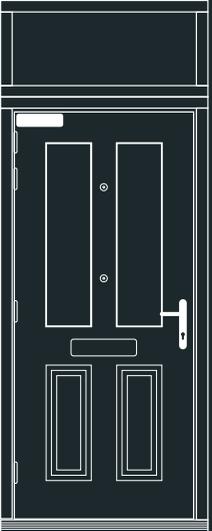
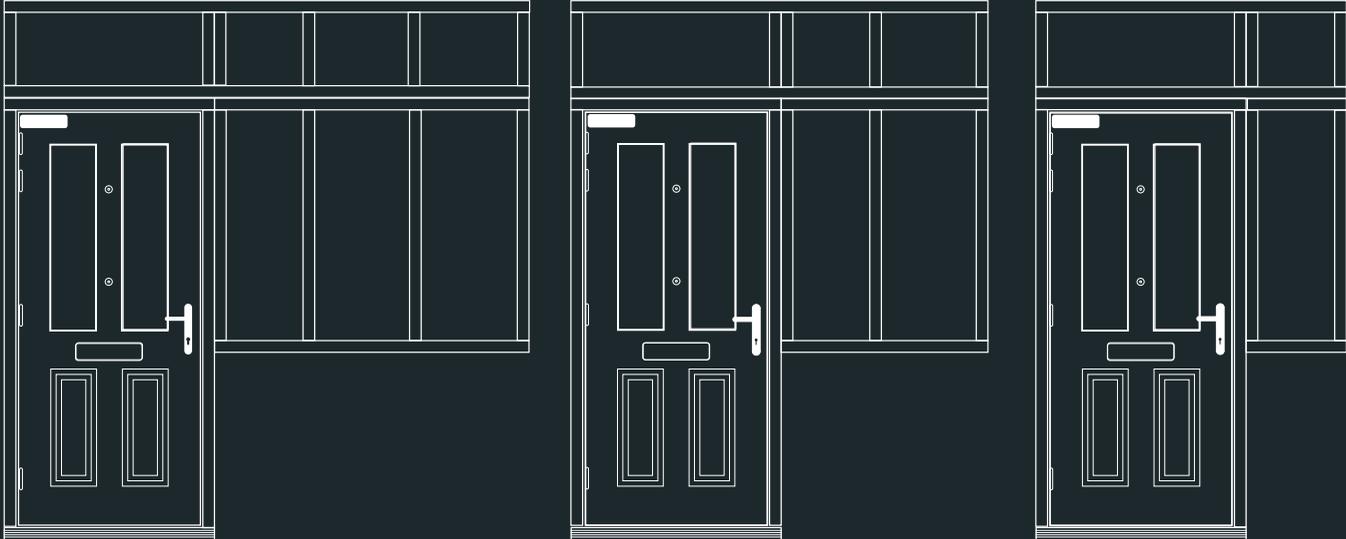
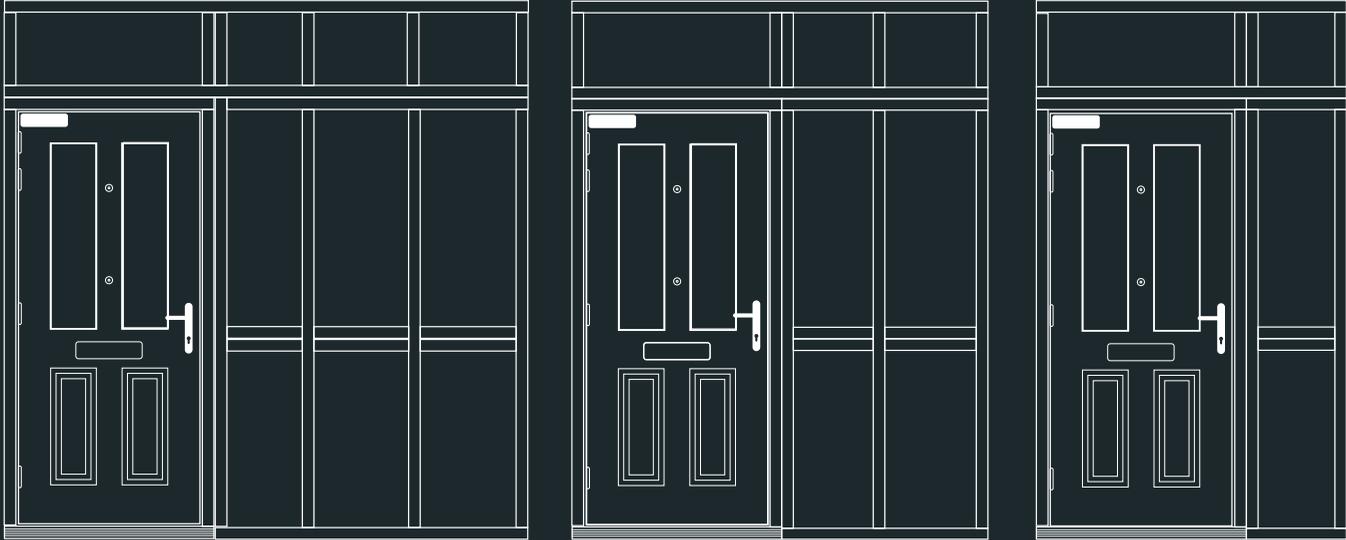


Largest Range of Composite Fire Doors on the Market.

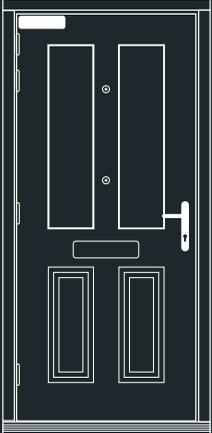
The Fire Stop Doors range can incorporate side light frames, top light frames and both side and toplight frames to create full screens.

Please note these will not be manufactured as one piece and will require couplers.

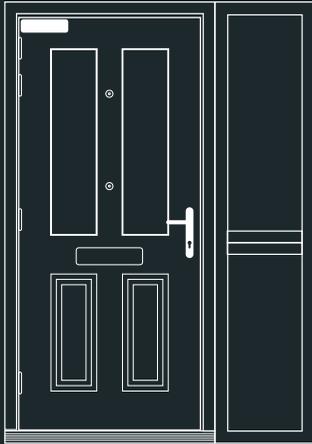
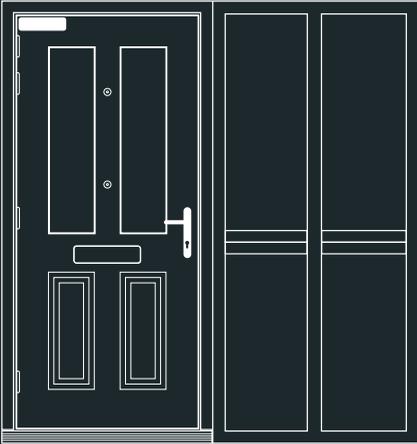
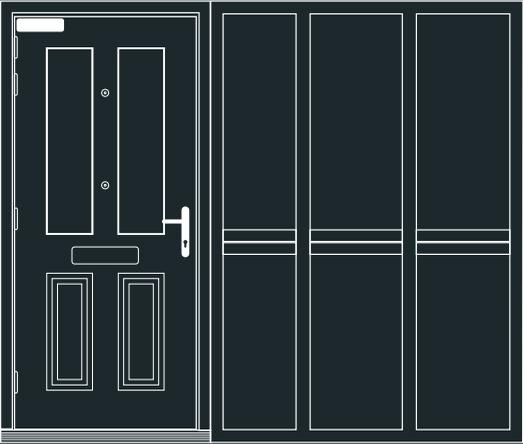
All permutations approved for internal application with 3 approved for external (UKCA) application.



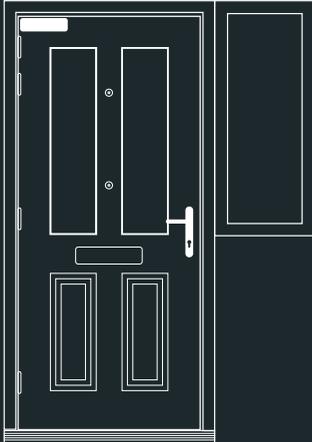
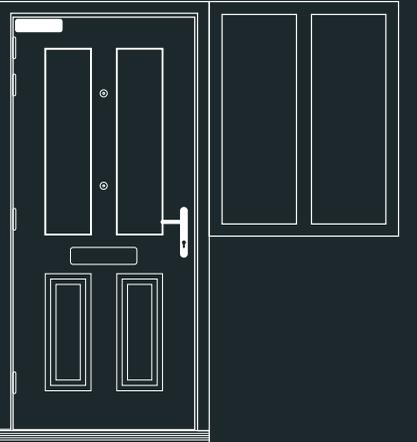
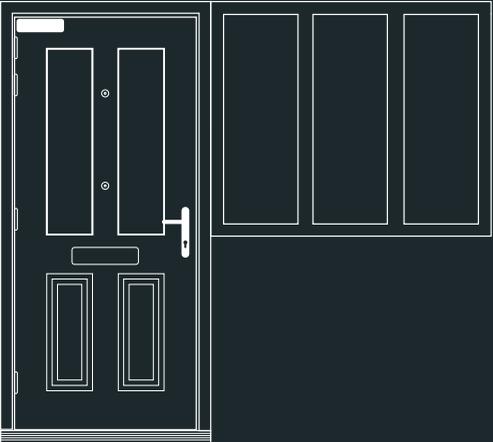
External (UKCA) Approved



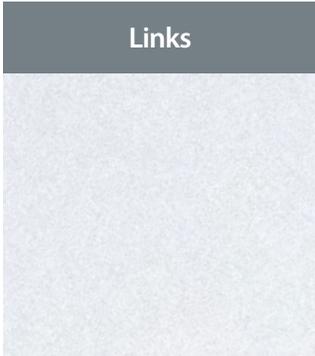
External (UKCA) Approved



External (UKCA) Approved



Protected and Precise



Links

Our smoothest blank designed to replicate the look of contemporary aluminium doors. Perfect as a sleek solid door or with different glazed options.

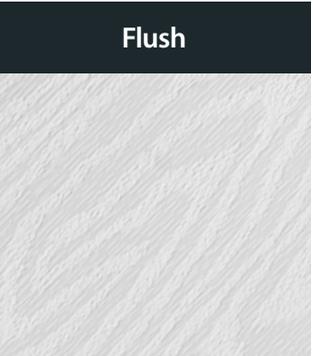
Available via special order with lead time of 3 months.



Farmhouse

A grooved, paneled blank design for a cottage feel. The ultimate country classic and the perfect match to popular interior door designs.

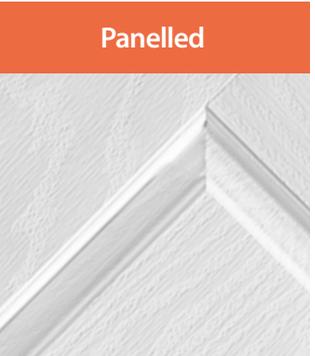
Available via special order with lead time of 3 months.



Flush

A subtly wood-grained blank with no mouldings for a sleek modern look. Available in a wide variety of prepped styles.

Available via special order with lead time of 3 months.



Panelled

Our most popular blank style, designed to replicate the most common traditional door styles. Highly defined mouldings with a distinctive woodgrain texture.

Available Colours



White



Anthracite Grey



Black



Blue



Green



Red

An element of its own.



Door furniture for illustrative purposes only. Please see page 22.

6 Panel Combi

The 6 Panel Combi is a traditional blank style that incorporates our most popular prepped design, Carnoustie. A classic panelled look with 3 options, providing timeless charm.



Door furniture for illustrative purposes only. Please see page 22.

Approved for external (UKCA) & internal application.

Traditional. Reliable. Safe.



Door leaf height	
Minimum	Maximum
1913mm	2013mm

Minimum door leaf width	
Glazed	Solid
758mm	722mm

Maximum door leaf width	
Glazed or Solid	
914mm	

Fire rated glass options from approved supplier.

Glass Obscurity Options
Clear or Satin

Flush

The Flush is a smooth, modern blank with no mouldings. Incredibly versatile the subtle wood-grain looks just as good as a solid as it does with a variety of glazing options from Saunton through to Single.

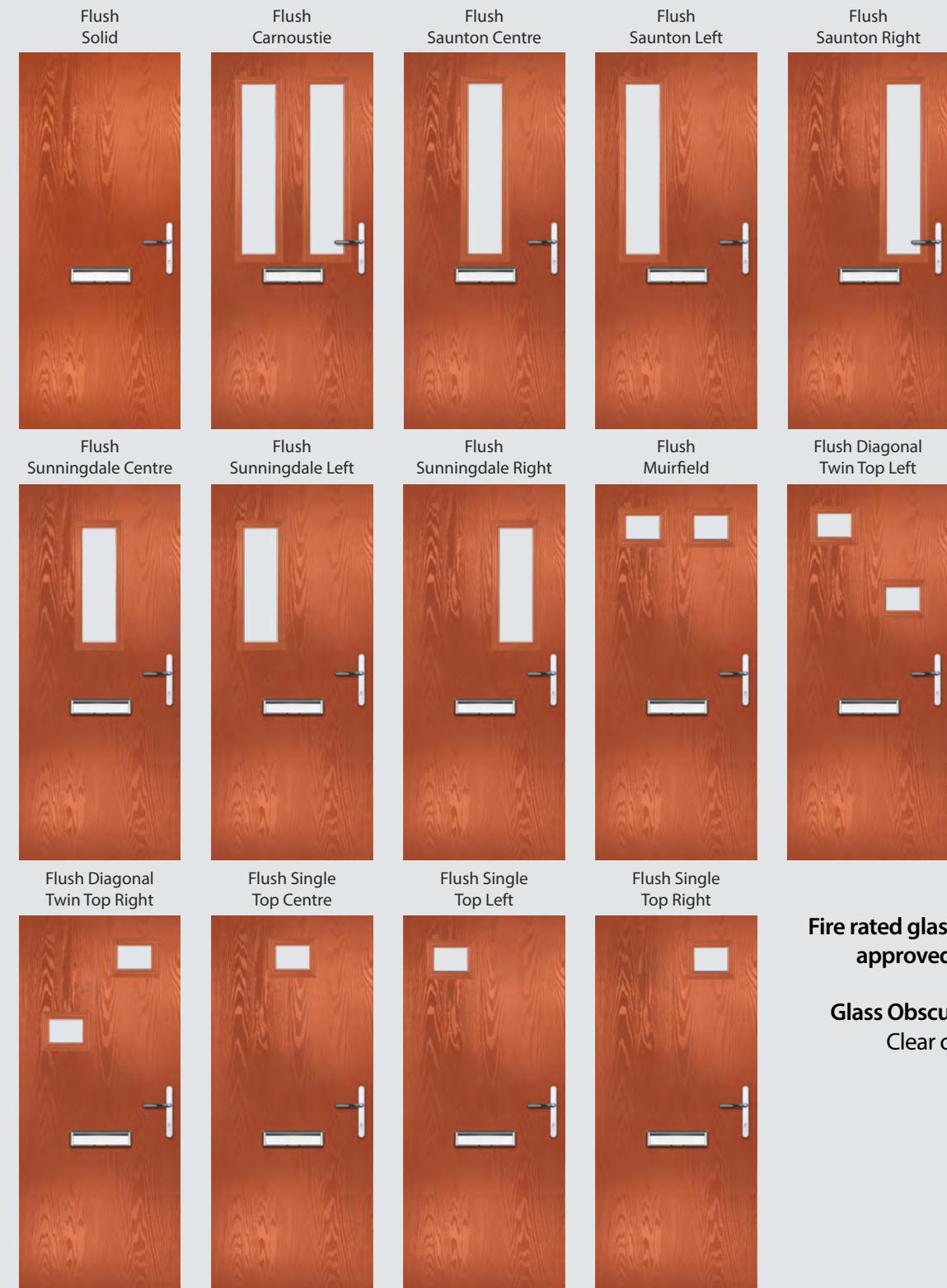


Door leaf height	
Minimum 1913mm	Maximum 2013mm
Minimum door leaf width	
Glazed 758mm	Solid 722mm
Maximum door leaf width	
Glazed or Solid 914mm	

Door furniture for illustrative purposes only. Please see page 22.

Modern. Accessible. Safe.

Approved for internal applications only.



Fire rated glass options from approved supplier.

Glass Obscurity Options
Clear or Satin

Farmhouse

The Farmhouse is a grooved, panelled blank style with a wide range of prepped designs from a Farmhouse solid to the ever in-demand Sunningdale Centre.



Available via special order with lead time of 3 months.

A minimum order will apply to contracts.

Door leaf height

Minimum	Maximum
1913mm	2013mm

Minimum door leaf width

Glazed	Solid
758mm	722mm

Maximum door leaf width

Glazed or Solid
914mm

Fire rated glass options from approved supplier.

Glass Obscurity Options
Clear or Satin

Approved for internal applications only.

Classic. Secure. Safe.



Farmhouse
Single Top Centre



Farmhouse
Saunton Centre



Farmhouse
Sunningdale Centre



Farmhouse
Solid

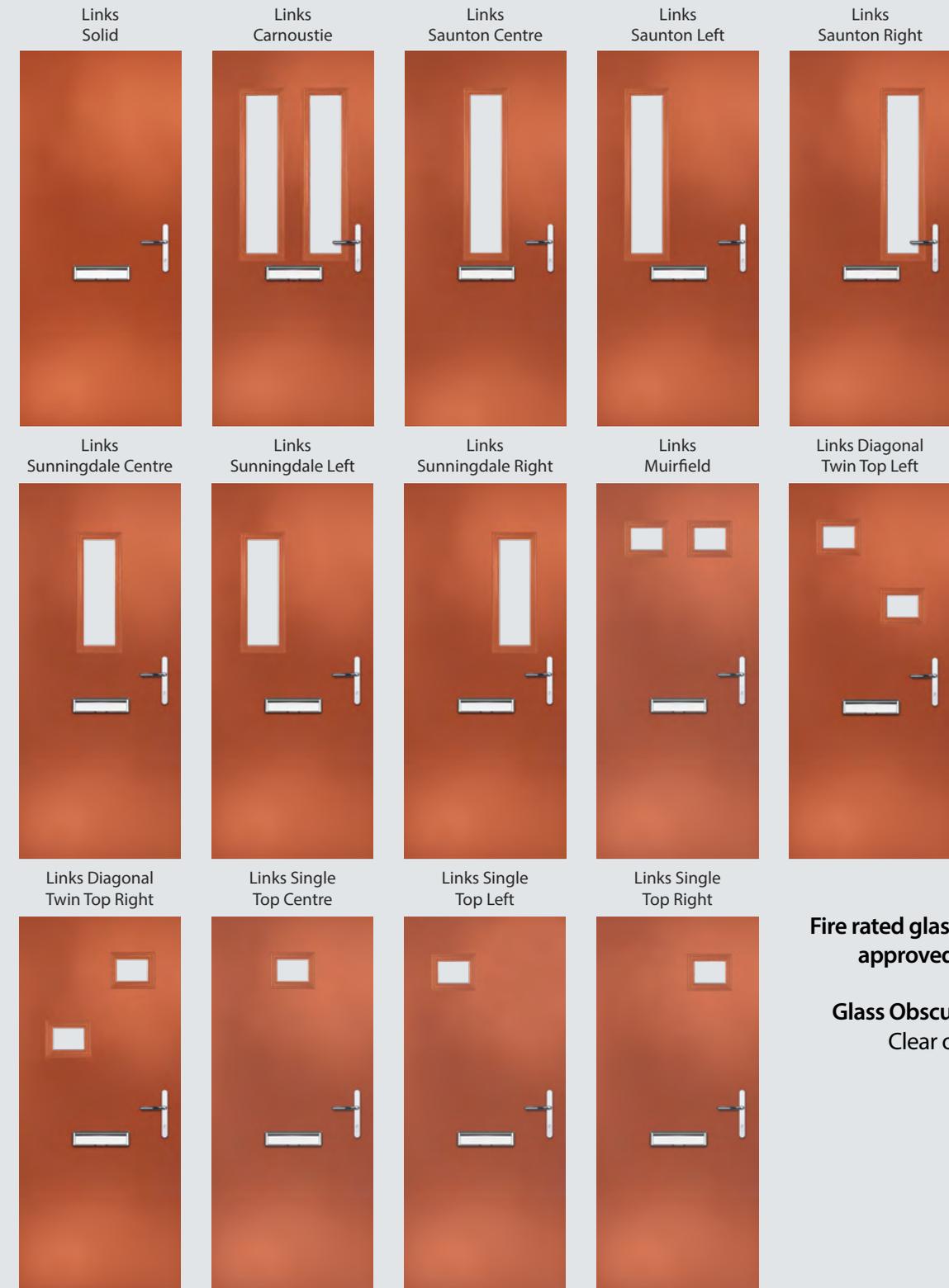
Links

The Links was designed with contemporary style in mind. Our smoothest blank that mimics popular aluminium doors with a selection of prepped options from Solid to Saunton.



Smart. Sleek. Safe.

Approved for internal applications only.



Door Furniture

We're proud to offer an industry leading range of fire door hardware, in chrome, for external and internal doors.



Lever Handle



Victorian Slimline Urn Door Knocker

External



Internal



Letterplate



Door Viewer



Door Hinge



Door Numerals / Letters



Door Chain



Keep Shut Sign

Scissor Arm



Slide Arm



Door Closers



Door furniture for illustrative purposes only. Please see opposite page.



SCAN HERE
for more
information

