



COMPLETE HIGH PERFORMANCE QUALITY

TIMBER DOORS & WINDOWS

ENERGY EFFICIENT • SECURE • SUSTAINABLE





ABOUT US & OUR PRODUCTS

Russell Timber Technology High Performance Security Doors and Windows are designed and manufactured to ensure suitability of purpose. **Russell Timber Technology** provides an eco package to perform to increased specification whilst caring for our planet.

Manufactured in Glasgow at our newly equipped HI-tech facility, products are supplied throughout the United Kingdom to both private and social projects. Due to climatic conditions and building regulations, care must be taken when specifying products for particular locations. The **Russell** quality product range offers the specifier complete and adaptable, made to measure, stylish solutions with *Secured by Design* options.

DOORS

- 58 mm Insulated External Door Sets
- 30 minute and 1 hour Fire Rated Doors & Screens
- Communal Doors & Screens
- French Doors & patio door sets, Folding doors
- Side lights - Fan lights - Screens

A long term licensee of Secured by Design, **Russell Timber Technology's** product ranges have been well tried and tested in diverse and demanding locations. With a 35 year plus life-span rating, durability and style are in built. Products are fully tested to current standards at *UKAS* accredited test houses.

Likewise our 30 minute and 1 hour fire rated security door sets plus screen configurations, are equally tried and tested in situ as well as within the fire laboratories. They have also passed simulated arson testing.

WINDOWS

- Casement Windows
- Fully Reversible 'H' Windows; Top Hung; Side Swing;
- Dual Swing
- Tilt & Turn

Products score well in Eco Homes - are supplied to *Decent Homes* - are *LHC* approved - have a 35 year plus life-span rating - are environmentally sound. *FSC* & *PEFC* timber certification - insulation Zero ODP and GWP less than 5. Fully comply with the Code for *Sustainable Homes*.

Please browse our site to find more on Products, Company Services, Partnering, Product Certification, Sustainability & the Environment, Energy Efficiency, Technical information & Downloads.

Russell Timber Technology's technical team is here to assist. Please contact us.

DOORS & WINDOWS

Enhanced product life-span increases sustainability. At **Russell Timber Technology**, quality products using sustainable timbers from certificated sources, are preserved and protected to give a lifetime of use in an environmentally sound manufacturing process. Using zero ODP insulation and the highest glazing specifications, products are exceptionally energy efficient. They are fully factory finished with premium waterborne opaque paints and translucent stains, applied by the latest electrostatic automated technology, resulting in extended maintenance periods: electrostatic/wrap around technology also reduces waste - another plus for



RUSSELL QTE 8 DOOR
PART OF THE AWARD WINNING
BRE PASSIVHAUS **OSBORNE**

the environment. Glass supplied in both doors and windows are manufactured to *EN12600*, *EN12150* & *EN1279 Parts 2 & 3*. Appropriate security, fire rated and energy efficient options are available. Stipolite glass is the preferred option for opaque glass.



SAFE SECURITY

The complete **Russell Timber Technology** package of doors and windows can be supplied to *Secured by Design PAS 23/24 ; BS7950* specification.



The robust and easy to use locking mechanisms offer safe security and peace of mind. Also available are adaptations for the elderly and infirm, including electronic options. Products can be manufactured to any size enabling compliance with *Lifetime Homes*; the inherent energy efficiency within the product range also enhances reduction of emissions arguably as important in refurbishment programmes as in New Builds.

Likewise, internal fire rated doors, screens and window elements offer *Secured by Design* options. The combination of security and fire rating is ideal for deck access, maisonette, flatted, medium/high rise applications. Additional safety features including restrictor hinges and fire escape options are included.

COMPLYING WITH REGULATIONS

Current and known proposed Building Regulations are achieved throughout the product ranges. The Code for *Sustainable Homes*, *Eco Homes* assessment and *NHBC* guidelines, encompass *Secured by Design*, Reduction of Emissions and Sustainable sourcing and manufacture. Certification including fire ratings, can be downloaded from our website, as can technical information.

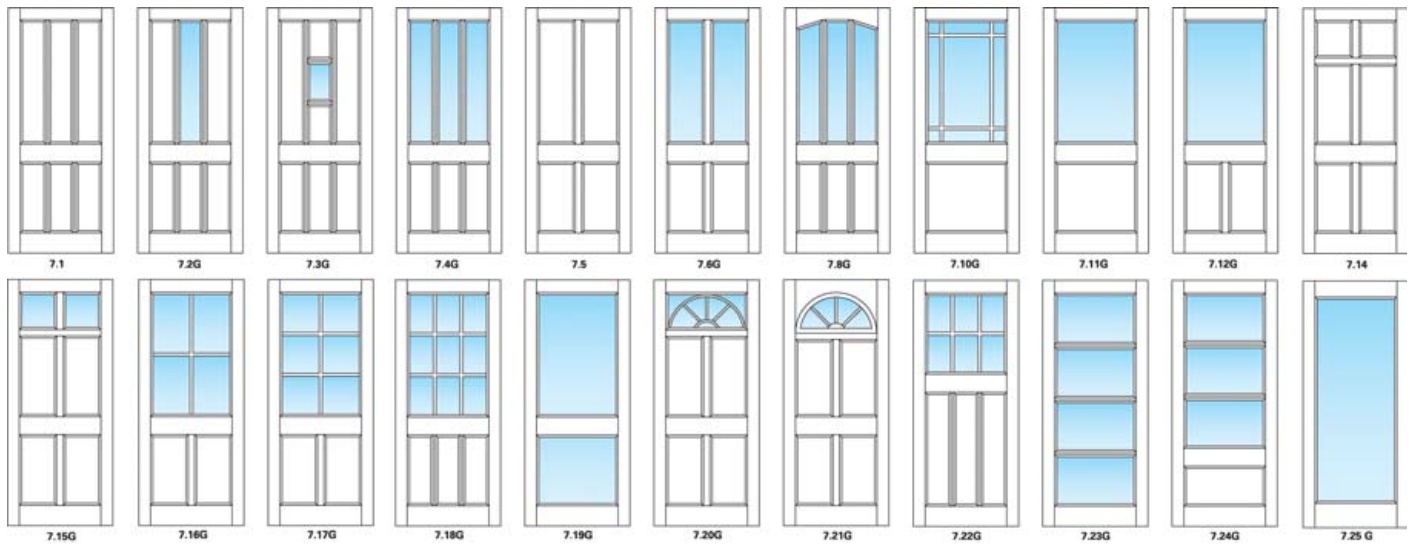
For assistance please contact our technical department on info@russelltimbertech.co.uk



Door Sets

External Energy Efficient

Secured by Design



QTE 7 & 8 SPECIFICATIONS

58 mm insulated external door sets

- Sidelights - Fanlights - Screens
- Communal Doors & Screens
- French Door sets & Balcony Door sets
- Can be FD 30 Fire Rated

High Performance Insulated Security door set to PAS 23/24

58 mm Hardwood Mortice & Tenon Composite Insulated Door Hung in 58 x 91 mm Hardwood Frame manufactured from the solid and incorporating a) continuous weather seal b) adjustable keep rail

High Load self lubricating hinges - double sided draught proof letterplate (*front doors only*)

High Security 3 point locking - key wind unless other wise requested

Euro-profile cylinder with 3 keys - handles lever/lever or lever/pad - variety of finishes available

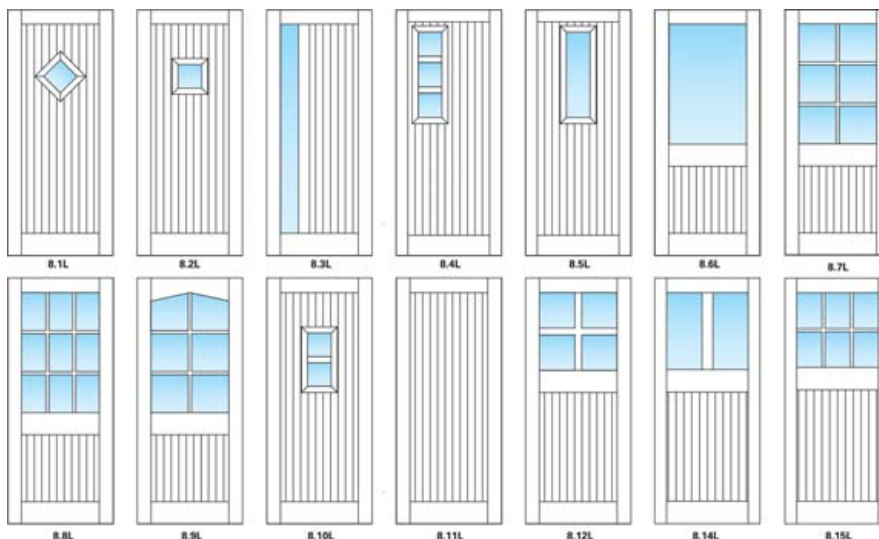
Security double glazed units - multi-glazed options include glazing bars within the glass or timber astrigals - please specify

Part M compliant threshold and weatherbar

Fully factory finished with micro-porous stains and paints from standard colour range

French Door Sets also come complete with PAS 24 locking systems suitable for use by the elderly and infirm. Inward & Outward opening - Part M compliant

Communal Doors come complete with electronic release or maglocks depending on specification. All units are Part M compliant

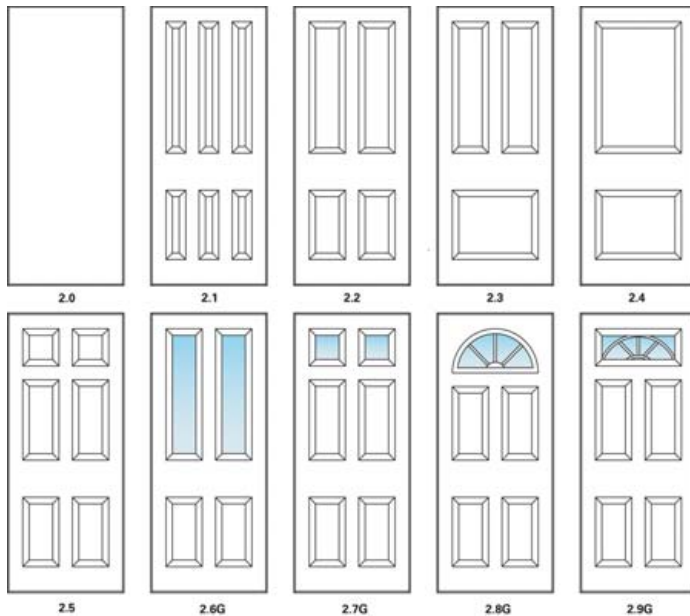


RUSSELL QTE 8 DOOR PART OF 'THE LIGHTHOUSE' BY KINGSPAN LEVEL 6 CODE FOR SUSTAINABLE HOMES



Fire Rated Door Sets 30 minute & 1 hour *Secured by Design*

QTE 2 SPECIFICATIONS



High Performance Fire Resistant Security Door Sets

Particularly suited to flatted developments where security and fire resistance are essential in internal situations.

Laminated solid core door lipped on all four edges with hardwood. Hung in a hardwood frame manufactured from the solid. All hardwoods from sustainable sources. Mortice and tenon jointing used throughout.

Incorporating intumescent smoke seals and draught seal. Adjustable metal keep plus High Security 3 point locking mechanism. Euro-profile cylinder with 3 keys.

Ease of lock operation allows instant release in an emergency.

Approved by Fire Authorities - tried and tested in situ as well as within the fire laboratories. They have also passed a BRE simulated arson test.



Communal Entrances and Screens *Secured by Design*

Built to withstand the rigours of constant use. *Secured by Design* certification with magnetic locks. Electronic strikes and latches as an alternative specification. **Suitable for use with most 58 mm QTE 7 & 8 Designs.** Glazing specification can be varied to suit the location and usage.

Includes appropriate handles, kick plates, concealed door closers. Factory cut outs for hidden cables and wires (*electricians by others*).

Fully factory finished for long term use and low maintenance.



WINDOWS & FRENCH DOORS

Russell Timber Technology energy efficient **Casement Window System** certificated to *BS7950* offers a wide range of combination window sets including fixed light, top hung and side hung configurations to meet fire escape regulations where required. All window sets are fitted with an all round replaceable weather seal, restricted friction stays with protectors and a high security locking system incorporating both shoot bolts and roller cams can be offered. All sashes and fixed lights are glazed with 24 mm units including an aluminium bottom drained and vented bead to *BS6262*.



Russell Timber Technology inward opening, security **Tilt & Turn Windows**. The tilt position provides draught free ventilation whilst the turn position enables the outside glass to be cleaned safely. Size permitting, it can also operate as an emergency fire escape. Locking points at the base and restrictor stay at the head of the window, provide enhanced security.

Tilt & Turn balcony doors also available.

French Doors / Balcony Doors

The 58 mm Hardwood French Door System can be *Secured by Design & part M compliant*. Inward and Outward opening options are available. Many of the *QTE 7 & 8* designs can be made as double doors. Products can also be supplied with additional screen elements with fixed or opening lights. Double glazed Low E units are standard. Frequently manufactured as Balcony Doors, offering stylish, fully glazed options.

Sliding Patio Doors and Folding Doors

For locations where space is at a premium, secure and weathertight Patio and Folding doors can offer increased ventilation and greater opening area. Manufactured in laminated softwoods, various glazing and locking options are available.





Russell Timber Technology Reversible Window Sets

include fixed light, top swing (H) & side swing fully reversible configurations which also meet fire escape regulations where required. Offering 30 years plus of Scandinavian design, this system is also certified to *BS7950 & BS6375 Part 1* Weather tightness and incorporates fully reversible hinges and high security shoot bolt locking systems. The hinges give a fully balanced operating cycle throughout the 180 degree motion of the sash. The sash does not protrude at any time into the opening. The appropriate ventilator is supplied fitted to the frame head where required to meet current building regulations.



Dual Swing Windows replicate the visual appearance of traditional sliding sash & case windows. Both sashes operate independently for easy cleaning with concealed hinge mechanism, restrictors, blow back device and concealed ventilation. Glazing offered with Low E as standard.





SPECIFICATIONS

ENVIRONMENTAL ISSUES

Wood is the only building material with a positive impact on the environment. A tree's ability to absorb carbon monoxide and emit oxygen contributes positively towards the atmosphere. Within managed forests, more trees are planted than are used to meet the forward needs of production thereby avoiding any potential deforestation and maintaining a sustainable supply. The processing of timber is also low in energy consumption and has no toxic or negative side effects.

Timber is a natural material with inherent strength, easy to maintain & repair. At the end of its useful life it is readily recycled, is bio-degradable or can be used as alternative fuel.

Russell Timber Technology offer sustainable, certified timbers with an optimum lifespan, preserved with boron salts which have zero emission to air, land or water.

ENERGY EFFICIENCY

Reduction of emissions and associated costs can be achieved by using our highly energy efficient product range. Doors can achieve a u value of 0.6 and windows less than 1.0 depending on glazing options. All materials used, including insulation, are benign with zero ODP and GWP < 5.

CERTIFICATION

All products are tested by the appropriate registered UKAS accredited organisation.

- Secured by Design PAS23/24; BS7950
- Fire Ratings both 30 & 60 minutes
- Timber Certification: FSC, PEFC & MTCC
- BSI Kitemark Glass



CUSTOMER SERVICE

Russell Timber Technology's technical team is here to assist. On site demonstrations, on site training, installation support, site survey assistance, local and head office support, complete design and installation package. Standard spares and parts, available by return. Continuous Improvement and Product Development.

TECHNICAL SPECIFICATION

Technical specification and brochures are available to download from our Web Site:

www.russelltimbertech.co.uk

No quibble guarantees



Company Registration No. 45289 VAT No. 260 8552 57

John A Russell Joinery Limited • 8 Dilwara Avenue • Whiteinch • Glasgow • G14 0QS
 Telephone **0141 958 0444** • Fax **0141 958 0333**
 email info@russelltimbertech.co.uk • web russelltimbertech.co.uk