

TRC | **30** CELEBRATING OVER
YEARS

THE UK'S LEADING TIMBER WINDOW REPLACEMENT AND RESTORATION SPECIALISTS

Designing, manufacturing, installing and
restoring market leading sash and casement
windows for over 30 years

www.trcwindows.co.uk



The Star and Garter, London

TRC were commissioned to begin a 34-month sash window restoration project to refurbish the 850 sash windows, over 40 pairs of French doors, and 30 replacement identical sash windows, so they perform to expectations in such a high-end building, while retaining their heritage characteristics.



Bloomsbury Street, London

TRC were appointed by Mace Interiors to undertake the replacement of over 100 traditional sash and casement windows at 21 Bloomsbury Street, a historic former hotel in central London, as part of a £40 million state-of-the-art office refurbishment.

Index

TRC Consult	P3
Heritage Windows (Solid Glazing Bars)	P4
Traditional Windows (Applied Glazing Bars)	P5
Vacuum Glazing (Applied Glazing Bars)	P6
Triple Glazing (Applied Glazing Bars)	P7
Acoustic Windows	P8
Window Restoration	P9
Window Restoration	P10
Case Studies	P11

TRC | 30 YEARS CELEBRATING OVER

TRC are experts in the design, supply and installation of new timber sash and casement windows and window restoration. Our large in-house team of fully trained craftsmen will ensure your project is completed to the highest quality.

We have worked on some of the largest and most prestigious window restoration and window replacement projects in the UK and are trusted by many of the UK's best-known architectural practices, developers and contractors.

TRC Consult

TRC Consult is our complete planning advisory service, drawing on decades of specialist expertise in timber window restoration and replacement. We work with you at the earliest stages of your project to establish the right specification, set realistic budgets and achieve cost certainty before work begins.

- 1 Replacement v Refurbishment** – We provide detailed budget costs across all options, from complete replacement with bespoke or standard windows, to full refurbishment including glazing renewal and bespoke ironmongery, through to basic overhaul and draught proofing.
- 2 Listed Building & Article 4 Direction Consent** – We provide detailed surveys and specifications to help you navigate complex planning requirements, advising on what alterations and upgrades are achievable and preparing the drawings and documentation to support your application.
- 3 Conservation Area Consent** – Some upgrades, such as slim sealed units or vacuum glazing, may not require planning consent. We'll advise you on what's possible and prepare the necessary specifications and drawings.
- 4 Heritage & Security** – We advise on the best available security solutions while fully respecting planning constraints.
- 5 NBS & BIM Specifications** – We maintain an extensive library of NBS specifications and BIM objects covering both new windows and refurbishment scenarios.
- 6 Surveys** – From detailed condition surveys with full photographic and window schedules, to basic site surveys and desktop reviews, we offer the right level of survey for your project.
- 7 Costs** – We can provide you with budget costs for all of your options at the early stages and then provide you with accurate fixed quotations when the exact specification has been established to help you achieve cost certainty.



Heritage Sash and Casement Windows

Our heritage window range has been precision-engineered to serve as an authentic, enhanced replacement for original period windows found in listed Georgian, Victorian and Edwardian properties, conservation areas and historic buildings – where sympathetic design and technical performance are equally critical.

Double glazed with ultra-slim sealed units, solid glazing bars and putty-fronted sightlines, faithfully replicating the appearance of traditional single-glazed windows.

Achieving U-values of 1.6–2.0 W/m²K, significantly improving energy efficiency without compromising period aesthetics.

Acoustic ratings of up to 36dB, reducing external noise intrusion while retaining the charm of the original window design.

Ultra-slim double-glazed units maintain the narrow sightlines and shallow rebate depths characteristic of original period windows.

From concealed trickle ventilation to a wide choice of RAL colours, every detail can be specified to suit the building. These windows provide long-term durability, tested weather performance, and the reassurance of TRC's 30 years of sash window expertise.

Product guidance - as standard	Sash	Casement
Frame Depth	140mm	90mm
Glazing Bar	24mm Solid glazing bars	
Whole window U-value (W/m ² K)	1.6 - 2.0	1.6 - 2.0
Sound reduction (Rw)	up to 36dB	up to 33dB
Timber options	Engineered redwood, hardwood or Accoya (FSC or PFEC certified)	
Glass Unit min-max	12mm(4mm/4mm spacer/4mm) to 18.8mm (Acoustic) (6.8mm/8mm spacer/4mm) (Acoustic)	
Operation	Cords, weights, and pulleys or Spring Balance	



Traditional Sash and Casement Windows

Our traditional timber window range delivers a modern, high-performance double-glazed replacement for original period windows commonly found in Georgian, Victorian and Edwardian properties – combining authentic period aesthetics with the thermal, acoustic and security standards expected today.

Applied slim glazing bars faithfully replicate the appearance of original period windows, maintaining the traditional sightlines and character of Georgian, Victorian and Edwardian architecture.

Achieving whole window U-values of 1.4 W/m²K, our traditional timber windows significantly reduce heat loss while preserving the classic appearance of the original frames.

Acoustic ratings of up to 39dB effectively reduce external noise, making them ideal for properties on busy roads or in urban environments.

Internally beaded frames and glazing, meeting PAS 24 enhanced security levels, providing robust protection without affecting the traditional external appearance.

From concealed trickle ventilation to a wide choice of RAL colours, every detail can be specified to suit the building. These windows provide long-term durability, tested weather performance, and the reassurance of TRC's 30 years of sash window expertise.

Product guidance - as standard	Sash	Casement
Frame Depth	160mm	90mm
Glazing Bar	18-22mm Applied glazing bars	
Whole window U-value (W/m ² K)	1.4	1.0 - 1.4
Sound reduction (Rw)	up to 39dB	up to 39dB
Timber options	Engineered redwood, hardwood or Accoya (FSC or PFEC certified)	
Glass Unit min-max	28mm (4mm/20mm spacer/4mm) to 44mm (Acoustic sash window) (Acoustic)	
Operation	Cords, weights, and pulleys or Spring Balance	



Vacuum Glazed Sash and Casement Windows

Our Vacuum Glazed Traditional Box Sash Windows are specifically crafted to serve as ultra-high thermal performance sash windows for heritage projects and buildings located in conservation areas. Vacuum glazing is just 8.3mm thick, closely resembling single glazing while offering modern insulation.

This window is internally beaded for enhanced security, with applied slim glazing bars to keep the aesthetics of the original window but with a much greater performance, typically achieving a whole window U value of 1.2 – 1.3 W/m²K and acoustic ratings Rw of up to 35dB.

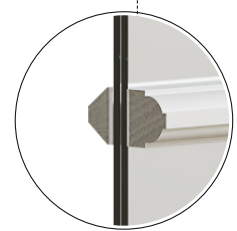
From concealed trickle ventilation to a wide choice of RAL colours, every detail can be specified to suit the building. These windows provide long-term durability, tested weather performance, and the reassurance of TRC's 30 years of sash window expertise.

Product guidance - as standard	Sash	Casement
Frame Depth	140mm	86mm
Glazing Bar	18-22mm Applied glazing bars	
Whole window U-value (W/m ² K)	1.2 - 1.3	1.2 - 1.3
Sound reduction (Rw)	up to 35dB	up to 35dB
Timber options	Engineered redwood, hardwood or Accoya (FSC or PFEC certified)	
Glass Unit min-max	8.3mm(4mm/0.3mm /4mm) to 12.3mm (6mm/0.3mm /6mm) (Acoustic)	
Operation	Cords, weights, and pulleys or Spring Balance	



Window U-Value
1.2-1.3
(W/m²K)

Sound reduction (Rw)
up to
35dB



8.3mm vacuum double glazed unit. Applied 18-22mm glazing bars.

Triple Glazed Timber Sash Windows

Our Triple Glazed Timber Sash Windows combine the appearance of a classic sash with the performance of modern glazing. Each unit is factory-fitted with 40–48mm sealed triple-glass, achieving a whole window U-value of 1.1 W/m²K. This high level of insulation makes them ideal for projects where energy efficiency is a priority.

The windows are built with engineered timber frames, available in redwood, hardwood, Accoya or oak, and finished with a durable three-coat microporous paint or stain. A traditional weight-and-pulley system ensures smooth operation, with optional child restrictors and locks for added safety.

From concealed trickle ventilation to a wide choice of RAL colours, every detail can be specified to suit the building. These windows provide long-term durability, tested weather performance, and the reassurance of TRC's 30 years of sash window expertise.

Product guidance - as standard	Sash
Frame Depth	204mm
Glazing Bar	18-22mm Applied glazing bars
Whole window U-value (W/m ² K)	1.1
Sound reduction (Rw)	up to 35dB
Timber options	Engineered redwood, hardwood or Accoya (FSC or PFEC certified)
Glass Unit min-max	44mm(4mm/16mm spacer/4mm/16mm spacer/4mm) to 48mm (Acoustic)
Operation	Cords, weights, and pulleys or Spring Balance



Applied 18-22mm glazing bars

Window U-Value

1.1

(W/m²K)

Sound reduction (Rw)
up to

35dB



Acoustic Sash Windows

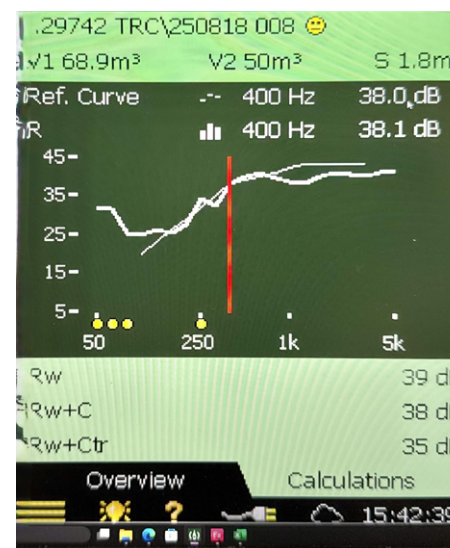
As the UK's leading timber window supplier, TRC Contracts has invested heavily in independent acoustic testing – so you receive definitive, certified results, not approximations.

Our sash and casement windows are fully tested and certified to the following acoustic ratings in accordance with ISO 10140-2:2021:

33dB | 36dB | 37dB | 38dB | 39dB | 40dB

Developed in close consultation with acoustic specialists and informed by project-specific noise data, our Acoustic Sash Windows combine traditional aesthetics with robust sound insulation performance – designed to meet stringent internal criteria in line with BS 8233 and local authority guidance.

We work collaboratively with architects and specifiers to balance conservation requirements, ventilation strategy and carbon considerations with evidence-based acoustic performance.



Window Restoration

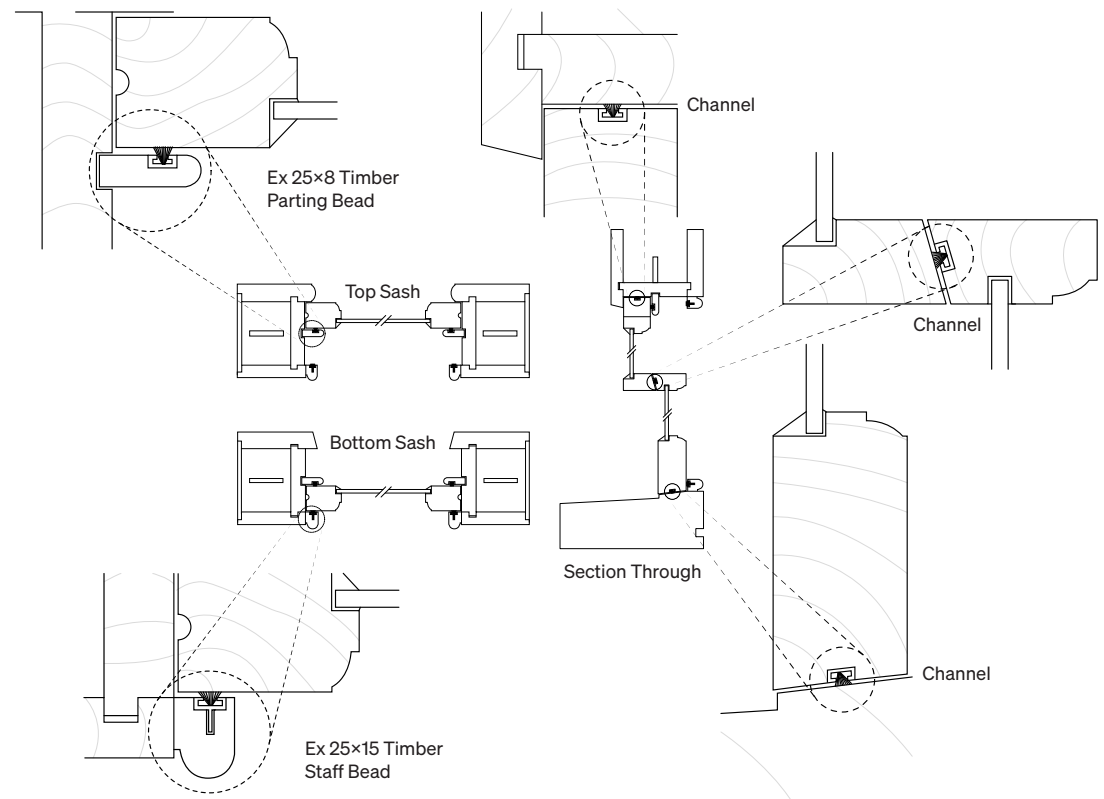
TRC have overhauled and draught proofed many thousands of Timber Sash & Casement windows over the years, ensuring a window with smooth operation that is draught and rattle free. Our system has also achieved BS6375 air and water tightness test.

We undertake the following to a sash window:

- 1 Remove all staff beads.
- 2 Remove both sashes.
- 3 Remove parting bead.
- 4 Remove all excess paint from around sashes, pulley styles, etc.
- 5 Pack, shoot sashes as necessary to ensure mid rails meet.
- 6 Rehang sashes on new cords, balance sashes and ensure windows work correctly.
- 7 Prime all bare timber surfaces.
- 8 Renew staff bead.

We also install draught proofing as follows:

- 9 Rebate top sash, bottom sash and meeting rails to accept a draught exclusion strip.
- 10 Renew parting beads with an easily removable one, incorporating a draught exclusion brush.
- 11 Renew staff bead with one incorporating a brush.



The above diagram shows a fully draught proofed sash window

Repairs

Over the years, timber windows deteriorate, needing timber repairs to be undertaken. TRC will survey your windows and identify what is needed to restore them back to their former glory. We would recommend that the following be carried out to each window. Carrying out the below will enable us to provide a 10-year guarantee against further decay.



Remove

We gently prise out decayed and damaged timber from windows, frames and sills - retaining as much of the original wood as we can.



Replace

Where decay is severe, our skilled carpenters replace sections of timber with new joinery work to closely match the original.



Fill

We treat the remaining timber with a multi-stage epoxy resin repair system called Repair Care.



Smooth

Using specialist tools, our trained specialists carefully smooth the surface of the repair to match the shape of the original timber, so that it blends seamlessly.



Finish

Finally, the window is stained or painted as required.



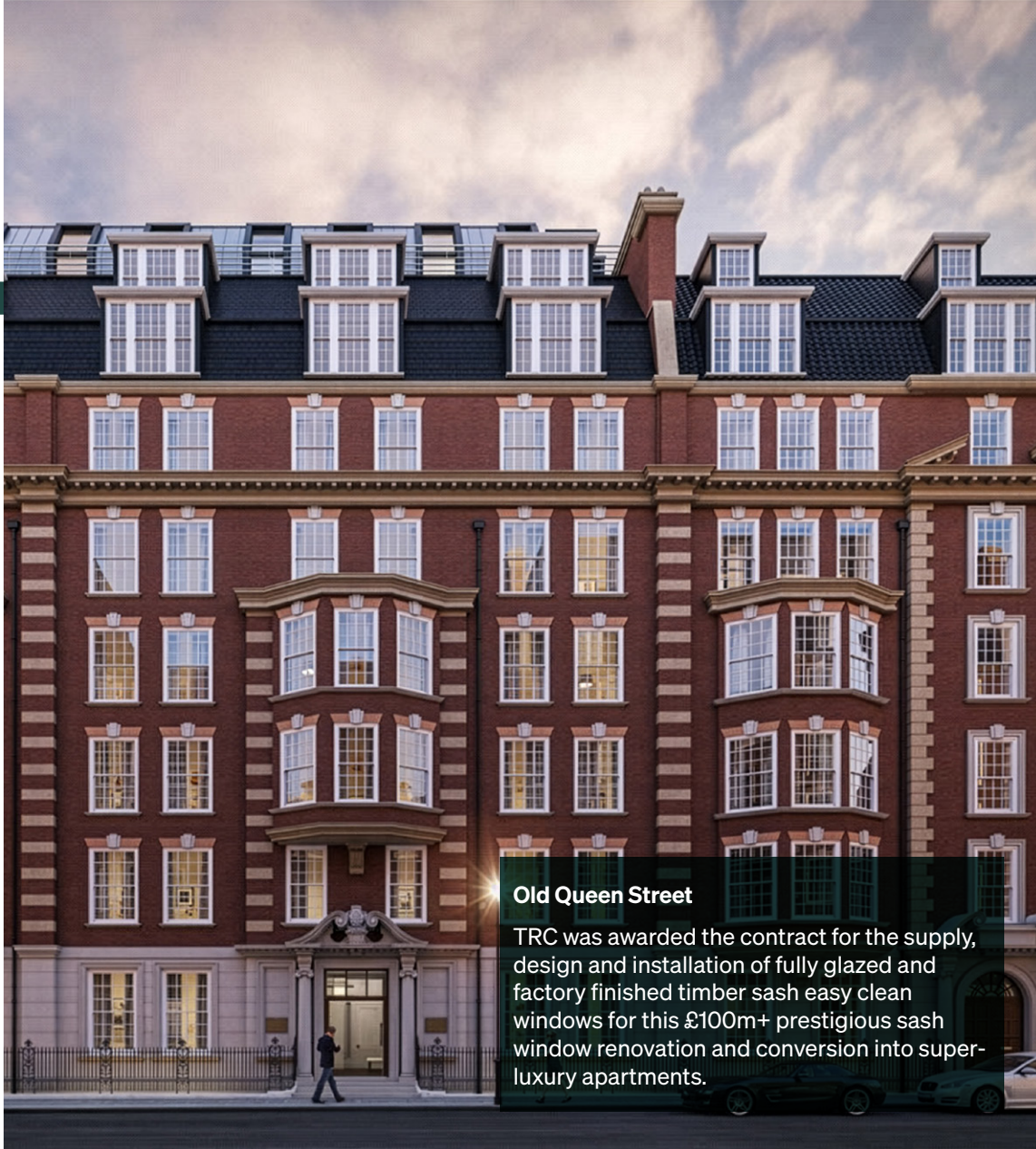
Maintain

We also offer a preventative maintenance service for windows to reduce or prevent future decay.



Reglazing

TRC offer a reglazing service for customers who would like to achieve a window with an enhanced U-Value. We remove the existing glass and router the sashes to accept an ultra slim double glazed unit which maintains the aesthetics of the existing window.



Old Queen Street

TRC was awarded the contract for the supply, design and installation of fully glazed and factory finished timber sash easy clean windows for this £100m+ prestigious sash window renovation and conversion into super-luxury apartments.



▲ **Old War Office, London**

The Grade II listed Old War Office, an iconic Edwardian landmark in the heart of Whitehall, was transformed into a luxury Raffles hotel. TRC were subcontracted by Ardmore Group to survey, repair, redecorate and draught-proof over 1,000 heritage timber sash windows throughout the prestigious building, preserving its significant architectural and historical character.

Please contact



Knoll House, Union Wharf,
Market Harborough, Leicestershire
LE16 7UW

+44 (0)1858 469 225
info@trccontracts.com

First Floor, Swan Buildings
Swan Street, City Centre
Manchester M4 5JW

+44 (0)1618 540024
info@trccontracts.com

Third floor 3 Hill Street,
New Town, Edinburgh
EH2 3JP

+44 (0)1315 479702
info@trccontracts.com

6th Floor
37 Lombard Street
London EC3V 9BQ

+44 (0)2046 342650
info@trccontracts.com

www.trcwindows.co.uk

