

Defining spaces *for living*



Since 1985 Metal Technology has been defining spaces through its architectural glazing solutions and has grown to become one of the UK and Ireland's leading designers and suppliers of bespoke aluminium window, door, curtain wall and solar shading systems for commercial and residential applications.





We have all experienced when natural daylight in our living spaces exhilarates and regenerates us.

Our knowledge and expertise in designing and engineering for landmark commercial buildings has ensured that our residential systems are leading edge in performance and quality.

Elegant and aesthetically appealing yet durable and energy efficient, Metal Technology's "Living" ranges of windows, doors and curtain walling are the intelligent choice for giving your home invigorating daylight, allowing you to view your garden and bring the outdoors inside.

As you would expect from a company with our track record, premium product quality and superior performance are blended together to enhance your lifestyle.

We have been engineering our products to meet the stringent requirements of architects and specifiers and have developed a very high level of technical support and a reputation for outstanding service.

This means our windows, doors and curtain walling systems bring robustness and high calibre insulation qualities to domestic environments as well as beauty and longevity. These systems have also proven themselves within the high-rise apartment and social housing markets where security, thermal performance, ventilation, durability and weatherability are of crucial importance.

Our slim and attractive profiles can be powder coated to your choice of RAL colours to enable freedom of design and lifestyle aesthetics. And of course, sustainability is high on our agenda with aluminium being one of the world's most directly recyclable materials for glazing applications.

Our success is built upon a core focus of investment in support, product development and reducing environmental impact.



Windows

Manufactured using high insulation sustainable aluminium with bespoke polyamide thermal isolators, Metal Technology window systems offer an extensive range of options in terms of hardware, operation, functionality, security and acoustic performance all tested to the latest UK & European standards.

Window energy rating (WER) levels of A+ are achievable, with double or triple glazing offering exceptional thermal performance and low U-values. All systems benefit from minimal maintenance and a wide choice of standard RAL colours both internally and externally.

**Casement | Tilt Turn
Parallel Opening | Top Swing
Pivot | Vertical Sliding
Horizontal Sliding**

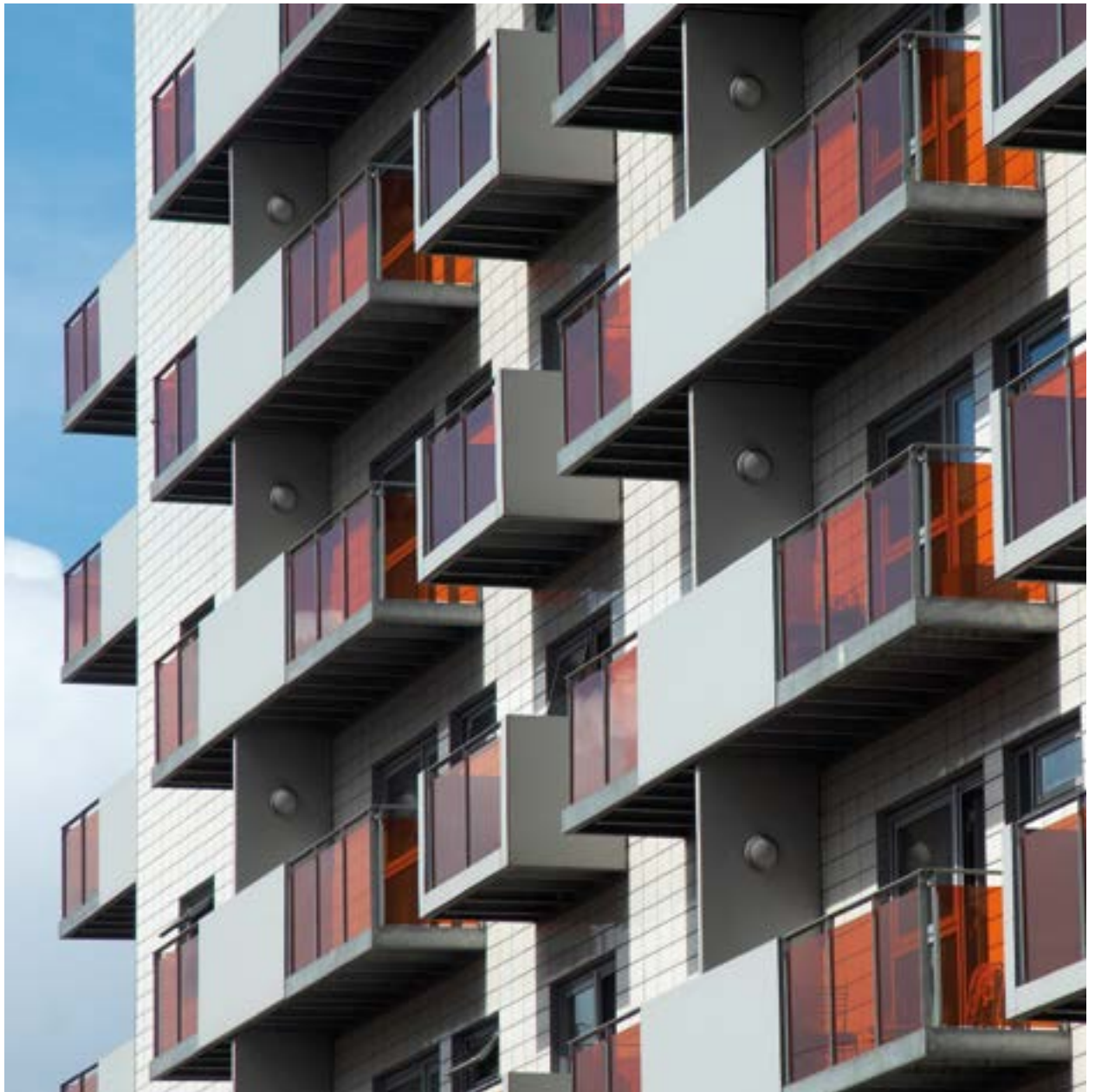












With our innovative design, Metal Technology window systems have been engineered to offer flexibility and reliability for both apartment and private dwellings.



A range of over 200 individual profiles ensures diversity as well as structural integrity with aesthetic appeal.











Safety and security is a key aspect within our product portfolio. Metal Technology ensure that their window systems carry the latest security standards accreditation as well as providing restrictors for child safety and glaze-in or integrated trickle ventilation for a comfortable environment. Concealed hardware and espagnolette multi-point locking are part of our standard design.

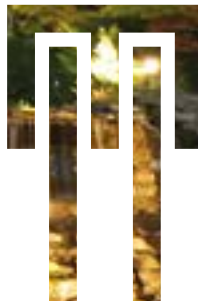


Doors

Metal Technology's range of aluminium doors offer the specifier and client a complete design solution. From entrance doors to sliding, through to bi-folding, all systems integrate with our window and curtain wall products to suit each individual building style.

With options for single or multi-leaf applications, inward and outward opening and profile depths to suit a wide range of glazing and structural applications, our aim is to provide solutions and choice to meet the needs of your project whilst also ensuring security and performance with the durability and strength of aluminium.

**Bi-fold | Tilt Slide
Lift Slide | Hinged | Pivot
Panic | Security**







Entrance Doors

Metal Technology's range of high insulation entrance doors have security and safety at the core of their design and are fully tested to PAS 24 security standards and are Secured by Design certified.

Available in single and double door configurations, with multi-point locking as standard, the systems can also provide a wide range of access control options in both fully rebated and flush threshold applications. Fixed glazing can be integrated both above and adjacent to door applications, all of which can be seamlessly interfaced into our curtain wall systems.



As with all Metal Technology Systems, there are options to choose from a wide and diversified range of standard RAL colours, both internally and externally.









Lift and Slide Door

Metal Technology's Lift and Slide door gives exceptionally high levels of air and water resistance while maximising the opportunity of bringing light into your home. The high insulation door is designed with 2, 3 or 4 pane options offering door heights up to 2.8m. The patented locking mechanism provides multi-point functionality to PAS 24 security standards, with the sliding carriages tested in excess of 25,000 operating cycles and maximum pane weights of up to 200kgs.

The door can accept both double and triple glaze options and can be supplied in a wide choice of RAL colours, both internally and externally.









Tilt and Slide Door

The Metal Technology Tilt and Slide door offers a unique, space saving option to a traditional hinged door. The door sash can tilt in for secure and extra ventilation and also slide effortlessly to one side behind the fixed pane. Using multi-point perimeter locking, doors can achieve heights up to 2.4m.

The Tilt and Slide door offers excellent weather performance and uses the same profiles as our Tilt Turn window suite, allowing for window sashes and door leaves to be combined in an endless range of combinations. The system also benefits from polyamide thermal break technology with standard RAL powder coating options both internally and externally.









Bi-Fold Door

Bi-fold doors are the perfect solution to open up your home and bring the outside in while keeping the elements out. Metal Technology's Bi-fold doors offer a wide range of designs from 2 to 6 panes and up to 6 metres in width giving architects, clients and specifiers total design flexibility.

The door sashes can accommodate either open in or open out applications with both curved or flush profile door leaves and fully rebated or flush thresholds.





The Bi-fold doors incorporate multi-point security locking with bespoke hinges and full or half rollers. Shoot bolts, flush operating handles and euro cylinder options are also available for intermediate sashes. In addition, the door offers low U-values which can be further enhanced with a high insulation (Hi+) option of uniquely designed cellular foams which enclose internal cavities within the profile further reducing heat loss.







The Bi-fold doors can accommodate double or triple glazing up to 50mm offering exceptional acoustic and thermal performance. Hardware is available in a range of finishes and profile can be powder coated in a wide range of RAL colours providing both single and dual colour options.

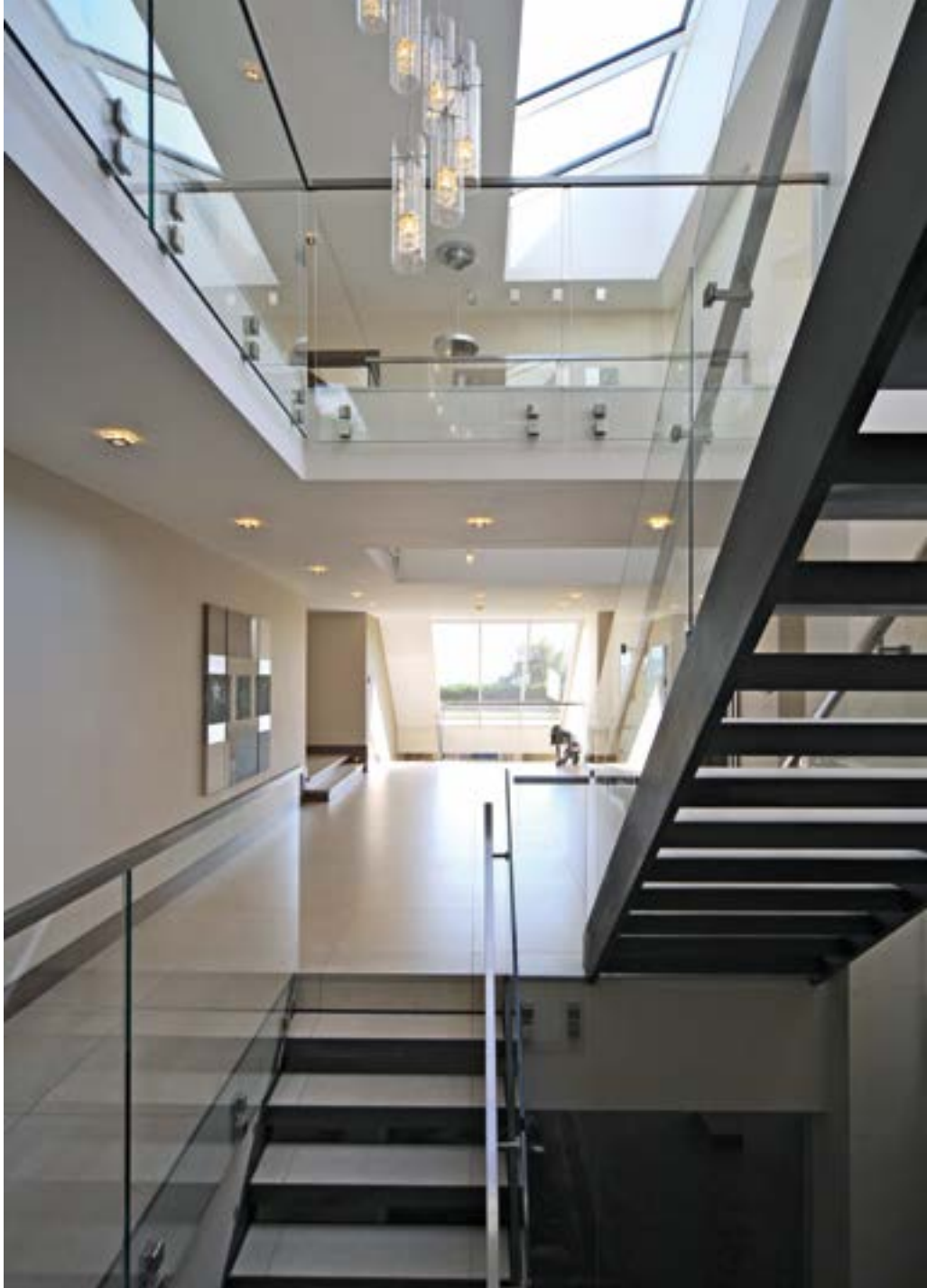
Curtain Walling

Metal Technology's Curtain Walling offers the ability to create wide expanses of glass with minimal sight lines, adding a whole new dynamic to your home. The facility to span multi-storeys vertically and to provide sloped glazing options allows light to flood your living space.

Mullion Drained | Zone Drained
Silicone Pointed | Cassette
Latitude | Roof Glazing













With a range of feature and contemporary caps or flush glass to glass joints with double or triple glaze options, our high insulation Curtain Walling has been tested to PAS 24 Secured by Design security status.











Weatherability & Durability

To meet the most stringent weather and durability criteria, Metal Technology door and window products are tested and compliant with BS 6375 (Parts 1 and 2) and our curtain walling is tested to CWCT standards.

Thermal Performance

Thermal performance and energy efficiency is central to our design ethos and our use of bespoke polyamide thermal break profiles incorporating integral fins and cellular foams ensure that our products offer exceptionally low U-values.

Window Energy Ratings (WER)

Metal Technology's high insulation **THERMAL** range of window systems can offer A+ rating performance. All designs are simulated and modelled in-house using bespoke software in line with BFRC guidelines.

WER Rating Scale	Window Rating
• A+ •	A+
A	
B	
C	
D	
E	
F	
G	

Technical Support

Metal Technology offers a comprehensive design and specification service to architects, developers and main contractors through its team of dedicated architectural advisors. Tailored specifications are provided in NBS format and are also available online along with CAD details and full test data. Thermal modelling and free air flow software allows accurate information to be analysed at early design stage assisting with window and door energy ratings (WER) and (DER) in line with BFRC (British Fenestration Rating Council) guidelines.

Natural Ventilation

A beneficial and desirable feature of our Bi-fold, Lift and Slide doors and Pivot windows is their capability to offer high levels of natural ventilation.

Acoustics

With noise control being a significant consideration in residential environments, we have designed our systems to be capable of using triple glazing and have engineered them to offer excellent acoustic properties.

Security

Metal Technology's glazed curtain walling screens, windows and doors are compliant with security standard PAS 24 giving you total peace of mind. In keeping with our continual investment in making our designs secure, our systems are independently tested and certified by a UKAS accredited certification body in accordance with the criteria for Secured by Design.



Metal Technology is a certified member of the BM Trade Q-Mark scheme.

Whole Life Cost & Maintenance

The selection of your window, door or curtain walling products is key for any client or specifier. Using aluminium which has a life span of 50+ years is only part of the benefit. Metal Technology consider the whole life cost and maintenance of the products they supply, utilising the highest quality components and hardware with simple maintenance which will ensure they last a lifetime.

Sustainability

Metal Technology has a clear commitment to sustainable products that offer the lowest available carbon footprint and Global Warming Potential (GWP) for each particular system. Embodied energy (energy to produce, transport and manufacture) and environmental impact are also considered as part of the procurement package. The intrinsic qualities of aluminium, its infinite recyclability, strength and lightness, durability and low maintenance qualities mean it is one of the most sustainable building materials available.



Environmental

Window Energy Rating software (WER)

BREEAM guidance

Thermal modelling

Life cycle analysis

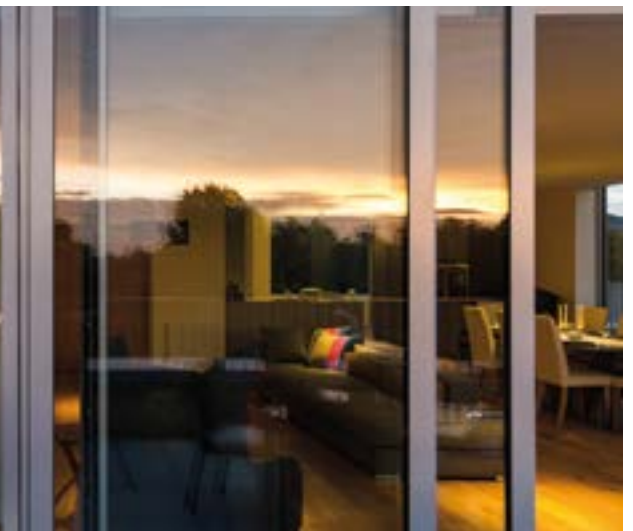
Sustainable products

BRE Green Guide A rated products

Responsible sourcing

Regionally located sales and architectural teams work in partnership with specifiers and developers.







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