

Quality to a 'T'

# Turkington Smart Aluminium

Turkington's  
new **Smart**  
range of  
doors and  
windows

**Smart** Lift & Slide Doors

**Smart** Bi-Fold Doors

**Smart** Aluminium Windows

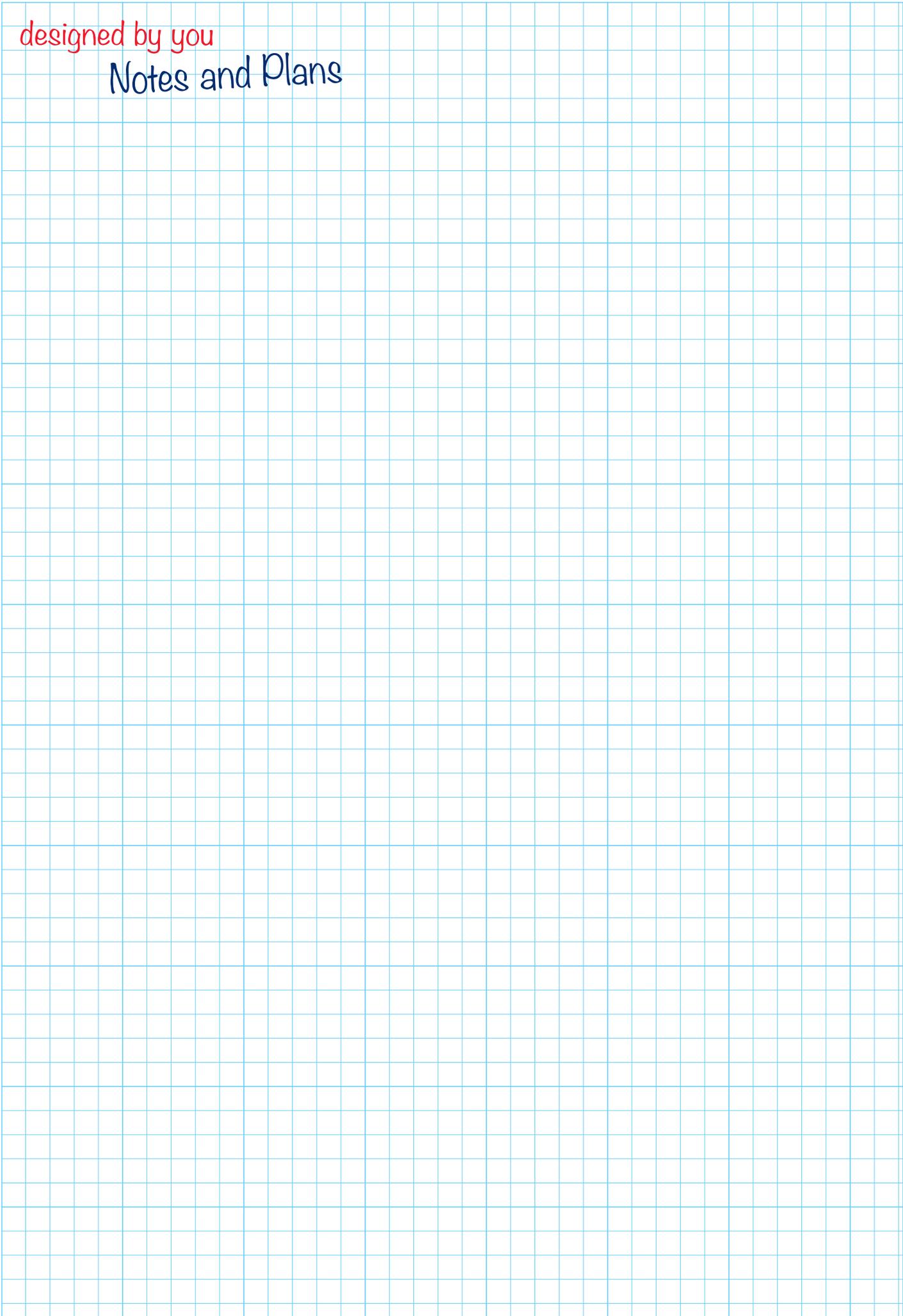
*designed by you*

**Turkington**  
Windows & Conservatories





designed by you  
Notes and Plans





# Make the **Smart** Choice

Our Smart aluminium doors are a dynamic choice that maximise light and give stunning unimpeded views. They open your home to the outdoors, bringing a bright, open and spacious atmosphere.

Create a relaxed feeling of light and space, but also frame the beautiful views of your garden and beyond. Suitable for installation in any room, these elegant systems add a touch of finesse and provide a fantastic wall of moving glass. Choose from our fantastic Lift & Slide or Bi-Fold options.

- Strong
- Weather resistant
- Warm
- Secure locking
- Wide choice colours
- Choice of configurations and hardware
- U Value of 1.6 W/m<sup>2</sup>K (with a suitable sealed unit)
- Structurally sound
- Extremely low maintenance
- Tailored to your precise requirements.
- Elegant profile
- High-security glazing
- Thermally broken frame
- Never fade, deteriorate or rust
- Marine grade as standard
- Can go wide and tall
- Delivers outstanding performance over a lifetime
- Aluminium is fully recyclable
- No requirement for re-painting or re-varnishing

## Smart Lift & Slide Doors



## Smart Bi-Fold Doors



## Smart Aluminium Windows



### Smart's unique Sensations Range of textured finishes

An exclusive range of metallic finishes that combine with a unique tactile finish to bring style and durability to any building project. Ideal for both modern architecture and restoration projects, 'Sensations' provide a unique finish to windows and doors.

Velour White	Frost White	Dune	Sand	Caramel
Mars Red	Basque Red	Sienna Brown	Cocoa Brown	Chestnut Brown
Silver Grey	Diamond Grey	Platinum Grey	Desert Grey	Antique Grey





# Should I choose a **Smart** Lift & Slide Door or a **Smart** Bi-Fold Door

Offering the opportunity to open up your living space and bring the outdoors inside, Smart Lift & Slide and Bi-Fold Doors provide a great many benefits to virtually any property. But which system will be the best for you?

**Frame Head**

**Meeting Style**  
Choice of standard or slim line meeting style available.

**Handle**  
Smart has a range of attractive handles for you to choose from.

**Large Glass Area**  
Sliding doors offer a large glass area. Perfect for maximising light and framing stunning views.

**Frame Jamb**

**Threshold**  
Where the situation allows, the threshold can be recessed into the floor level.

**Lift & Slide Doors**

- Large panes move to the side, stacked one behind the other.
- Double and triple track options for two, three and four sash systems.
- Maximise light and give the most unobstructed views when closed.
- Slim lines and discrete hardware.
- Ideal solution where space is limited.





## Bi-Fold Doors

- Slim lines combine elegance with great performance together with smooth, easy and reliable operation.
- Multiple door leaves concertina to the side.
- Can incorporate a 'traditional door' for flexible use.
- Completely uninterrupted views when open.
- Great solution for small spaces.



**Sash & Jamb Hinge**



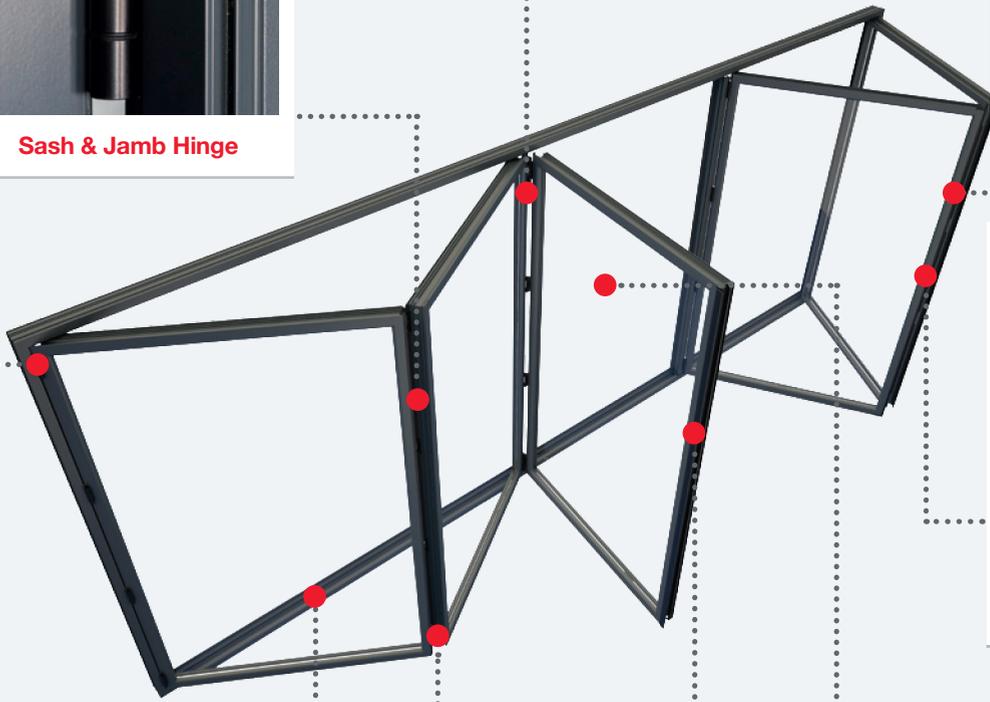
### Top & Bottom Roller

Smart's sash rollers are designed and engineered to the highest standards to ensure quality and reliability. Our rollers are marked with the Smart 'Spark', so you can be sure they meet these exacting standards.



### 'D' Handle

Used to pull sashes from a folded open position to a closed position.



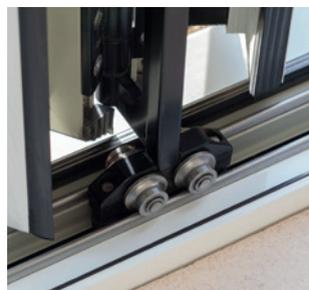
### Flat Sash Handle

Used to operate the locking shoot-bolts on the sashes.



### Threshold

A choice of rebated or low level thresholds is available. Where the situation allows, thresholds can also be recessed into the floor level.



### Bottom Roller



### Main Operating Handle

We have a range of lever handle styles available, including high security PAS 24 options.



### Opening

Slide folding doors open to reveal a nearly 100% opening aperture, bringing 'the outside in' and creating amazing living spaces.





# Turkington's new aluminium **Smart** Lift & Slide Doors

Our **Smart Lift and Slide Doors** provide the maximum light and afford the most unobstructed views of any system when closed and with our wide range of systems and options, you can select and tailor a door system to exactly meet your own specific requirements.

With a choice of frame sizes, sliding formats and two, three and four pane systems, together with a choice of high quality hardware and a wide range of colour options, the lines of these elegant doors make them the perfect solution for any home.

The Smart Lift & Slide is a dynamic residential sliding doors that maximise light and give stunning unimpeded views. They offer contemporary styling whilst delivering superior thermal performance in a robust system.

The profile has been designed to improve both strength and weather resistance. All main sections feature an extended polyamide thermal break that achieves a U Value of 1.6 W/m<sup>2</sup>K and are available in a broad range of both single and dual colours.

U Value 1.6 W/m<sup>2</sup>K

Air Class 3, 600Pa

Water Class 7a, 300Pa

Wind Class AE, 2400Pa

Frame Width 53mm

Frame Depth 100mm

Glass 38mm double or triple glazed sealed units

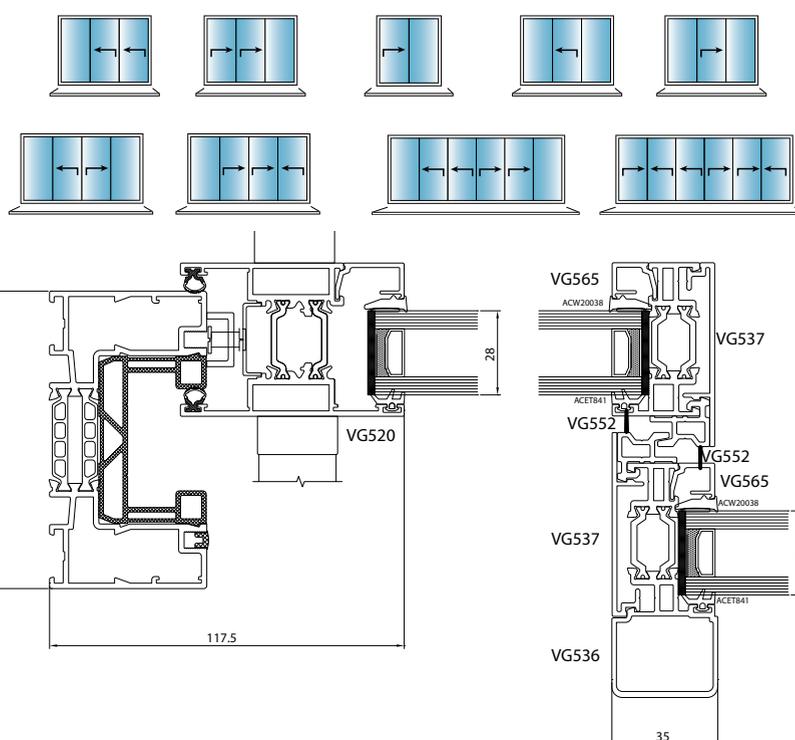
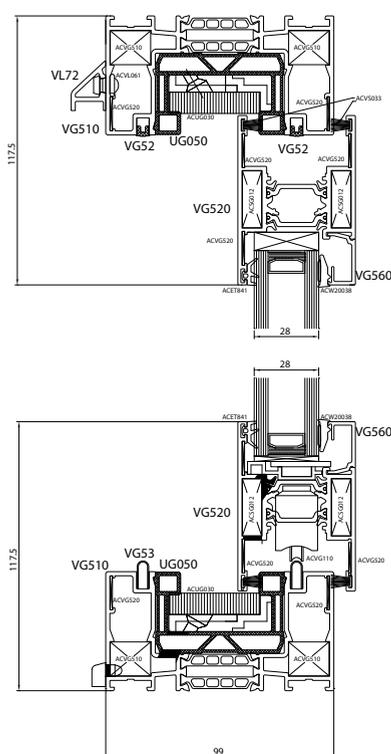
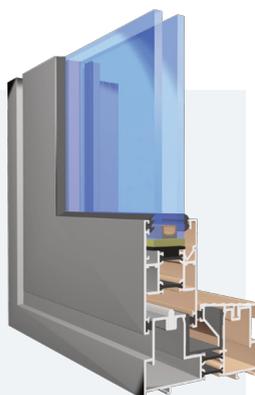
Design Limitations

Max Sash Weight: 250kg

Max Sash Height: 2500mm

Max Sash Width: Within above limitations

Kitemarked system achieving KM 530838 PAS 24:2012







## Turkington's new aluminium **Smart** Bi-Fold Doors

Available in a range of opening configurations to suit any application, our **Smart Bi-Fold Doors** can be folded internally or externally and with the opening at the side (so the sashes all fold one way), at one end (to create a single entrance door) or in the middle (to give the option of a double door).

The Smart Bi-fold's flexibility makes it the ideal choice for projects where large, uninterrupted openings are required, providing maximum light and space to give unimpeded views. The highly-versatile, easy-to-operate system is the perfect option for even the largest project, capable of opening up an entire wall, yet presenting a contemporary, elegant glazed façade when closed.

Our profile features a thermal break to deliver enhanced thermal performance and energy efficiency and security is assured by multi-point lock mechanisms on the main opening sashes, and shoot-bolt locks on the 'floating' mullions.

The doors can have either a low threshold for unimpeded access, or a rebated threshold for improved weather resistance.

Our doors are available in a broad choice of colours including metallic, wood-structure, dual colour and Smart's unique Sensations range of textured finishes.

Attractive slim-line profiles offers reduced sightlines

Mitred corners

Lift-up handles and one piece keep

Broad range of single or dual colours.

Marine quality polyester coated as standard

U-Value 1.5 W/m<sup>2</sup>K with suitable glazing unit 1.0

Air: Class 4, 600 Pa

Water: Class E, 750 Pa

Wind Class 4, 1800 Pa

Document L compliant

Enhanced security performance: PAS 24: 2016

Frame width: 102.5mm

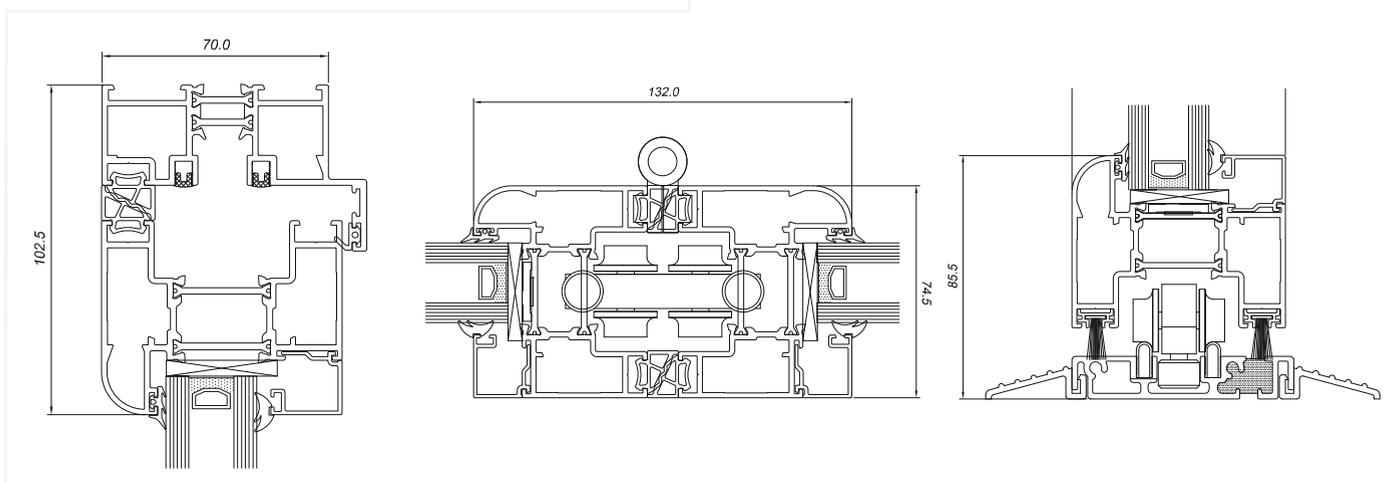
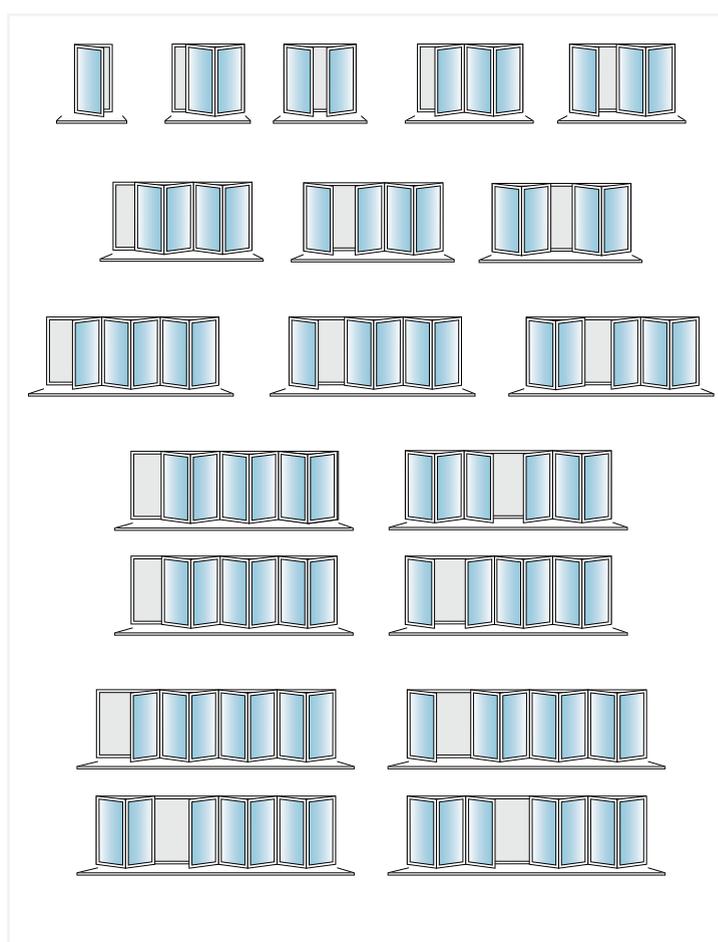
Frame depth: 70mm

Glass: Double or Triple glazed

Max o/a height: 2500mm

Max o/a width: 1200mm per sash

Max sash weight: 100kg







# Turkington's new **Smart** Aluminium Windows

This versatile range of profiles can provide many solutions for residential and light commercial applications. It can create traditional casement windows inspired by the elegance and styling of timber products, or contemporary style windows designed for modern homes.

The **Smart** Aluminium Window incorporates polyamide thermal break technology which creates a barrier between the cold air outside and the warm air inside. This technology significantly reduces thermal transmittance and enhances the overall U Value of a product and is designed to meet the exacting requirements of Document L 2010.

Typical U Value 1.6 W/m<sup>2</sup>K  
(using 1.0 W/m<sup>2</sup>K centre pane)

Air 600Pa

Water 1200Pa

Wind 2400Pa

Side Hung Max Width 1000mm

Side Hung Max Height 1400mm

Top Hung Max Width 1400mm

Top Hung Max Height 1500mm

Designed to comply with the revisions to the Building Regulations Document L 2010

British Standard Kitemark KM81580

British Standard Kitemark KM81543

PAS 24:2016

BS 4873:2016

BS 6375-1:2009

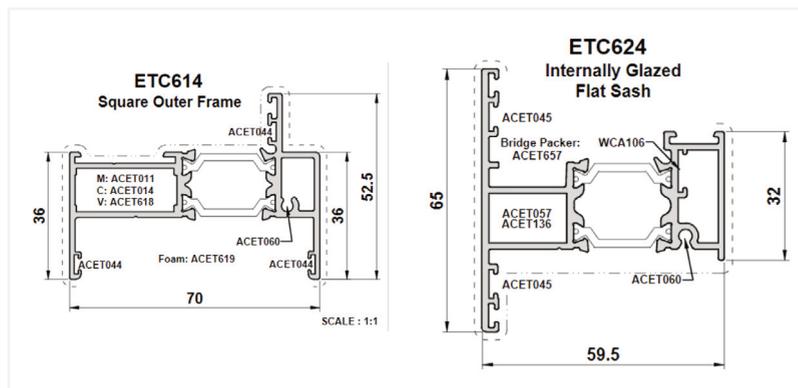
BS 7950:1997

Broad range of single or dual colours

Marine quality polyester coated as standard

Glazing: Double or Triple

Frame depth 59mm or 70mm







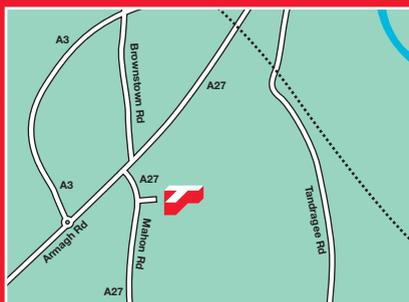
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The enclosed photographs and diagrams are for illustrative purposes only. Product specifications are subject to change.

## Visit us at our Portadown and Lisburn Showrooms



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Tel: **028 3839 3030**



**Lisburn Showroom**  
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