

# SPECIFICATION GUIDE







# MODERN INNOVATIVE ALUMINIUM

**Designed around a wider thermal break than legacy aluminium systems, our windows and doors are designed to meet the latest requirements of the built environment. Available fully internally beaded, and packed full with clever innovation.**

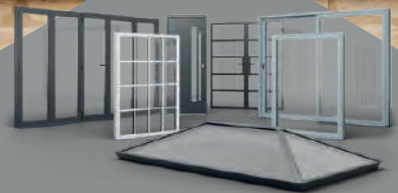
With matching aesthetics across all products, our systems are perfect for the most exacting projects. A modern system architecture, built around a patented corner jointing method, reduces fabrication waste and locks in quality. Designed and manufactured in the UK, by the UK's leading fenestration experts, Sheerline is available on agile lead-times, helping you meet contract schedules.





Insulated with  
**THERMLOCKI**<sup>®</sup>  
technology

**Performance  
built-in as  
standard**



**100%  
aesthetically  
matched  
range**



**Patented  
corner  
construction**

GB2569209<sup>†</sup>



**Vertically  
integrated UK  
manufacturer**

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## TECHNICAL INFORMATION

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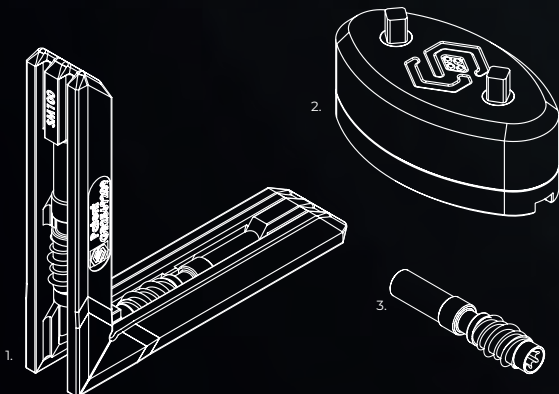
# SHEERLINE SYSTEM BENEFITS

## PATENTED CORNER CONSTRUCTION

Improved quality  
and less waste.

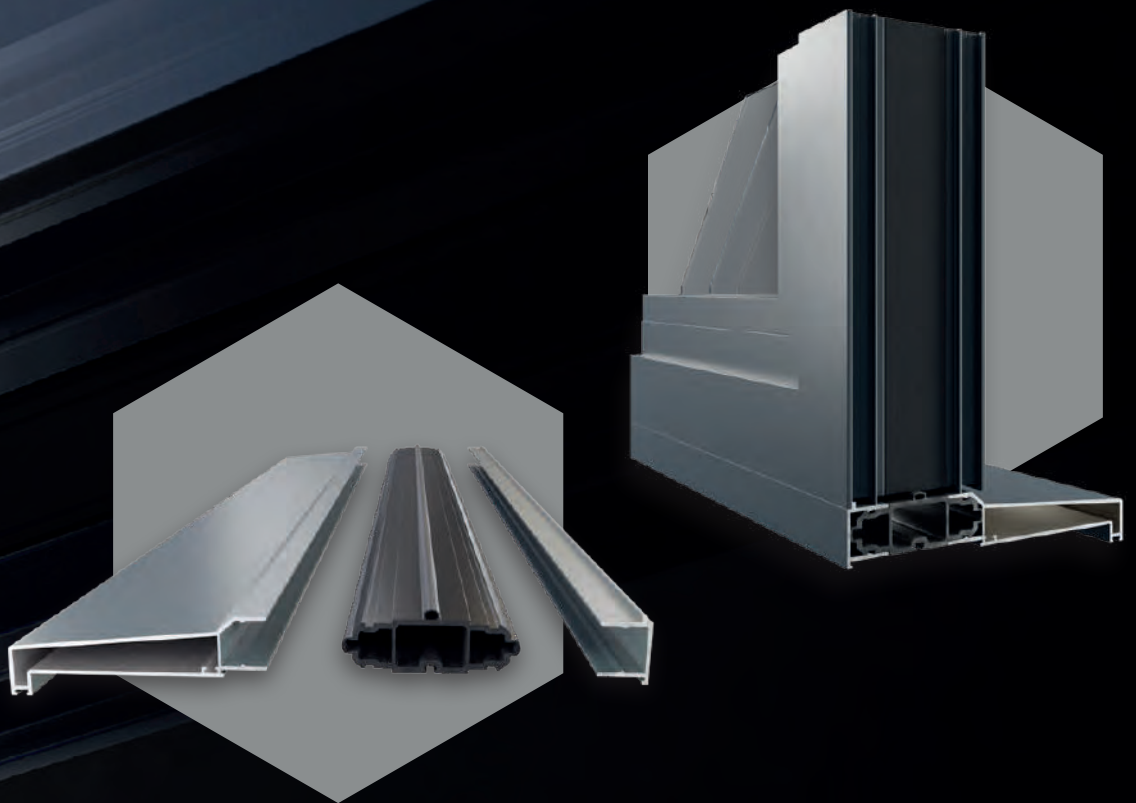
Our unique, patented construction method  
uses threaded screws to bind corners  
tightly together in perfect unison.

This method eliminates the need for  
crimping and specialised machinery  
unlike other aluminium manufacturers.  
Speeding up manufacturing, reducing  
waste and drastically cutting down  
on remedial site issues.



1. Classic Corner Cleat - manufactured in-house in a high impact polymer  
2. Dual Drive for efficient fabrication 3. Stainless steel screw

Our corner construction method also helps eliminate misaligned frames and stepping at corners, allowing sections damaged during manufacture to be replaced – again reducing waste.



## CONSISTENT SYSTEM ARCHITECTURE

Across our entire range.

Many components are shared across our ranges, and products are built from common system wide components.

Fewer components mean fewer issues, with less stock. Reducing complexity and costs whilst increasing efficiency.

**5 day<sup>†</sup>  
lead time**  
on stocked  
colours including  
combinations



## BEAUTIFUL, CONSISTENT COLOUR BY OUR IN-HOUSE POWDER COATING PLANT

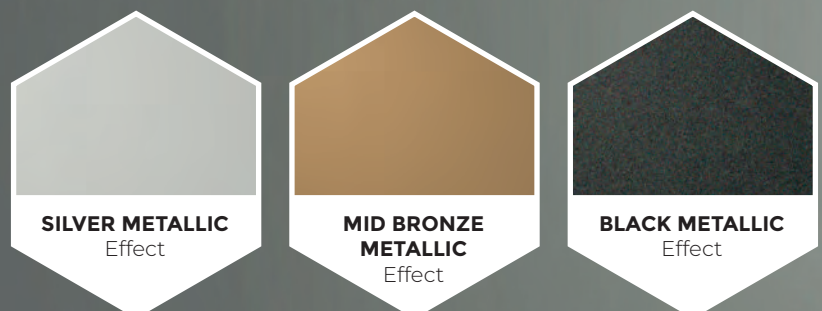
### OUR TRADITIONAL COLOURS



### THE CHARACTER RANGE OF PREMIUM COLOURS



### THE PARAGON METALLIC EFFECT RANGE



**DISCLAIMER** Due to the variability of manufacturing processes and the differences in the methods used to represent these colours, we cannot guarantee an exact colour match between the actual paint colour and the colour as seen on-screen or when printed. The RAL colour references are also provided as a guide only and we recommend asking to see a physical sample prior to order if required. All colours and finishes are supplied within standard tolerance ranges.

<sup>†</sup>Delivered on fabricator's next scheduled delivery. Refers to working days.



*Prestige*  
DOORS

**THE PRESTIGE SYSTEM  
COVERS BOTH SINGLE  
AND FRENCH DOORS,**  
perfectly complementing  
Prestige and Classic windows.

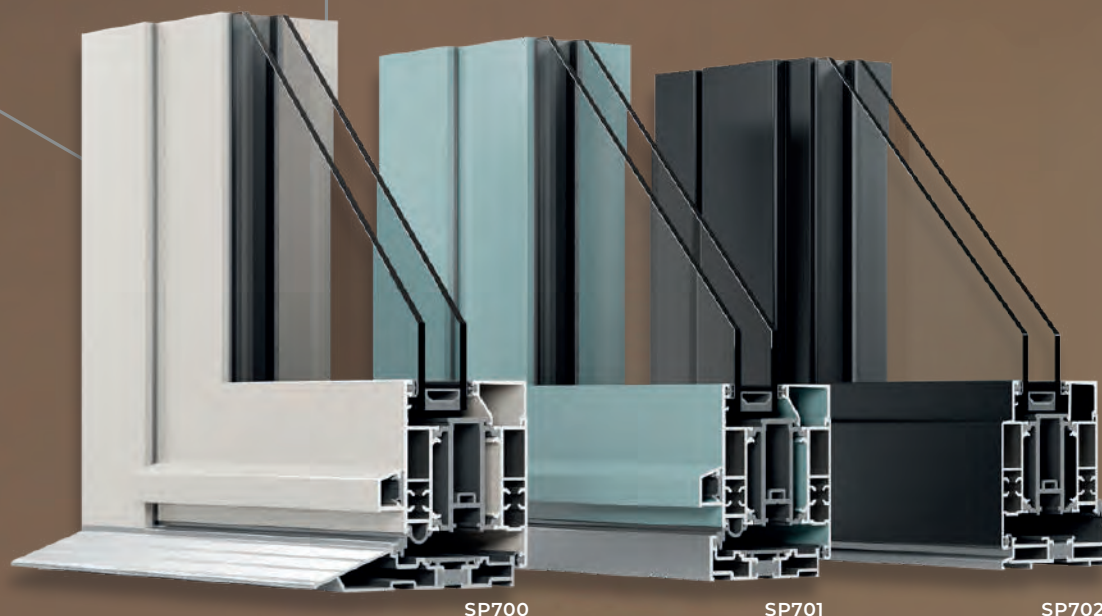
Door sashes also support SFS 3D face  
mounted PAS24 hinges and the door midrail  
accommodates standard letterplates.

**MAXIMUM  
HARDWARE  
COMPATIBILITY  
WITH A 35MM  
BACKSET**





Door combinations can also be manufactured with continuous thresholds that continue across any sidelights for neater and higher quality installations.



### 3 PART M COMPLIANT DOOR THRESHOLDS

Door frames easily fix to these thresholds using a universal moulding that's hidden from view externally. A cover strip continues the high-end aesthetics, hiding the fixings, which can be slid under the moulding to aid removal.

#### PART M: Low Threshold Test Results

WHEELCHAIR REGS	SP700	SP701	SP702	SP710	SP711
<b>ASSISTED SMALL CHAIR</b>	LEVEL 7	LEVEL 9	LEVEL 9	LEVEL 7	LEVEL 7
<b>NON ASSISTED LARGE CHAIR</b>	LEVEL 9	LEVEL 9	LEVEL 9	LEVEL 9	LEVEL 9
<b>ASSISTED LARGE CHAIR</b>	LEVEL 9	LEVEL 9	LEVEL 9	LEVEL 9	LEVEL 9
<b>LIGHTWEIGHT ELECTRIC</b>	LEVEL 10	LEVEL 10	LEVEL 10	LEVEL 10	LEVEL 10
<b>HEAVYWEIGHT ELECTRIC</b>	LEVEL 10	LEVEL 10	LEVEL 10	LEVEL 10	LEVEL 10

Note: A scale of 1 to 10 (where standard of 1 = extremely difficult and 10 = very easy) has been devised to determine the ease of operation over each low threshold with each type of wheelchair provided.







DOOR SHOWN IN:



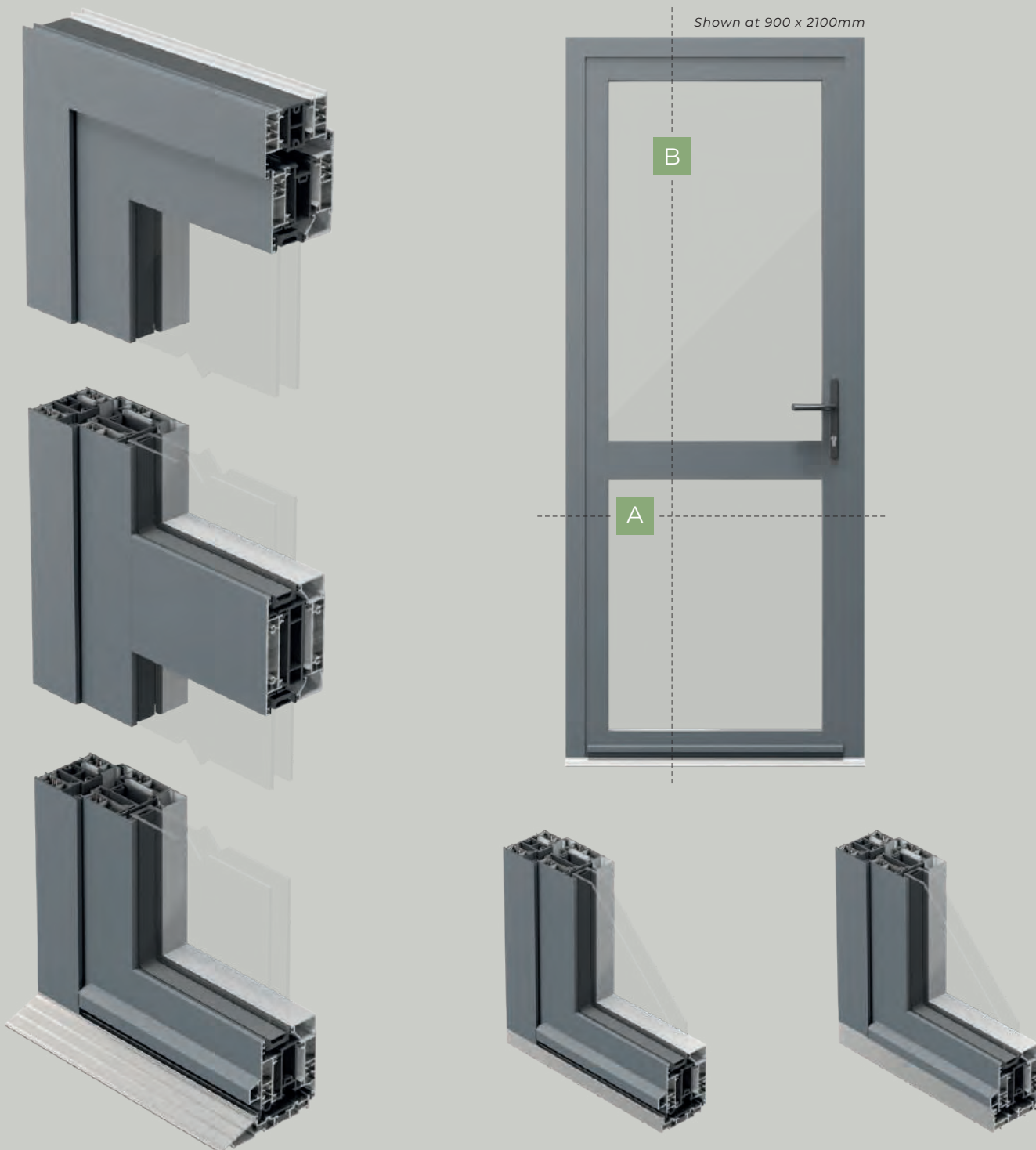
CREAM  
9001 Matt

# *Prestige* DOORS

Single and French entrance doors that are the perfect complement to our window ranges.  
Available alongside a composite door outer frame – for the complete aluminium look.



# Single Door with Midrail *inward opening*



## CONTEMPORARY SP102/SP351

LOW THRESHOLD with Ramp  
SP700

LOW THRESHOLD  
SP701

FRAME LOW THRESHOLD  
SP702

LOW THRESHOLDS AVAILABLE

PRESTIGE SINGLE DOOR WITH MIDRAIL INWARD OPENING / TECHNICAL INFO

- Min Size\* 672mm(w)
- Max Size\* 1072mm(w) x 2572mm(h)  
\*with Intermediate Outer Frame
- Max Sash Size\* 1000mm(w) x 2500mm(h)

OUTER FRAME†:	SMALL	INTERMEDIATE	LARGE
SIGHTLINES:	113mm	127mm	137mm

†page 64 for options

GLAZING	CONTEMPORARY	STEPPED
DOUBLE GLAZED	28mm	28mm
U VALUE	1.4	1.4
DSER RATING	B	B
TRIPLE GLAZED	44mm	36mm
U VALUE	1.0	1.1
DSER RATING	A+	A+

See building regulation sections from page 144 for details



SECURITY  
**PAS 24 & SBD Certified**



WATER TIGHTNESS  
**Class 2A**



AIR PERMEABILITY  
**Class 2**



WIND RESISTANCE  
**Class C3**

**PART L**

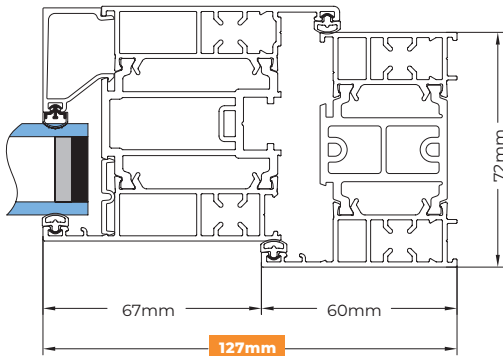
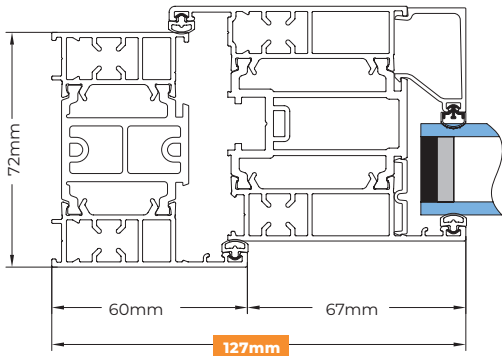
Compliant



**A**

Cross section shown with  
Intermediate Outer Frame  
**SP102**

Door Sash 'Z'  
**SP351**

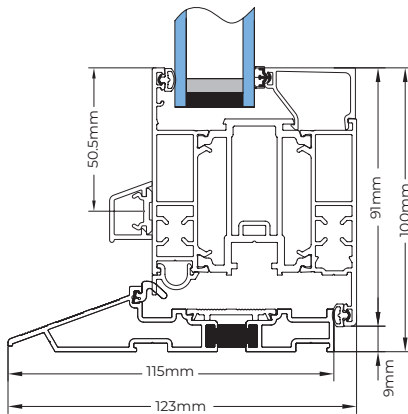
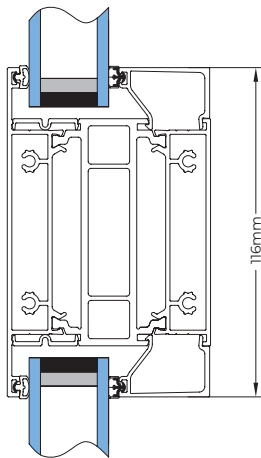
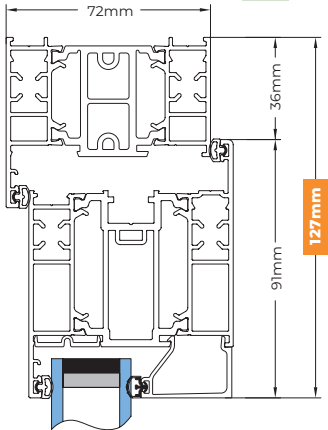


Cross section shown with  
Intermediate Outer Frame  
**SP102**

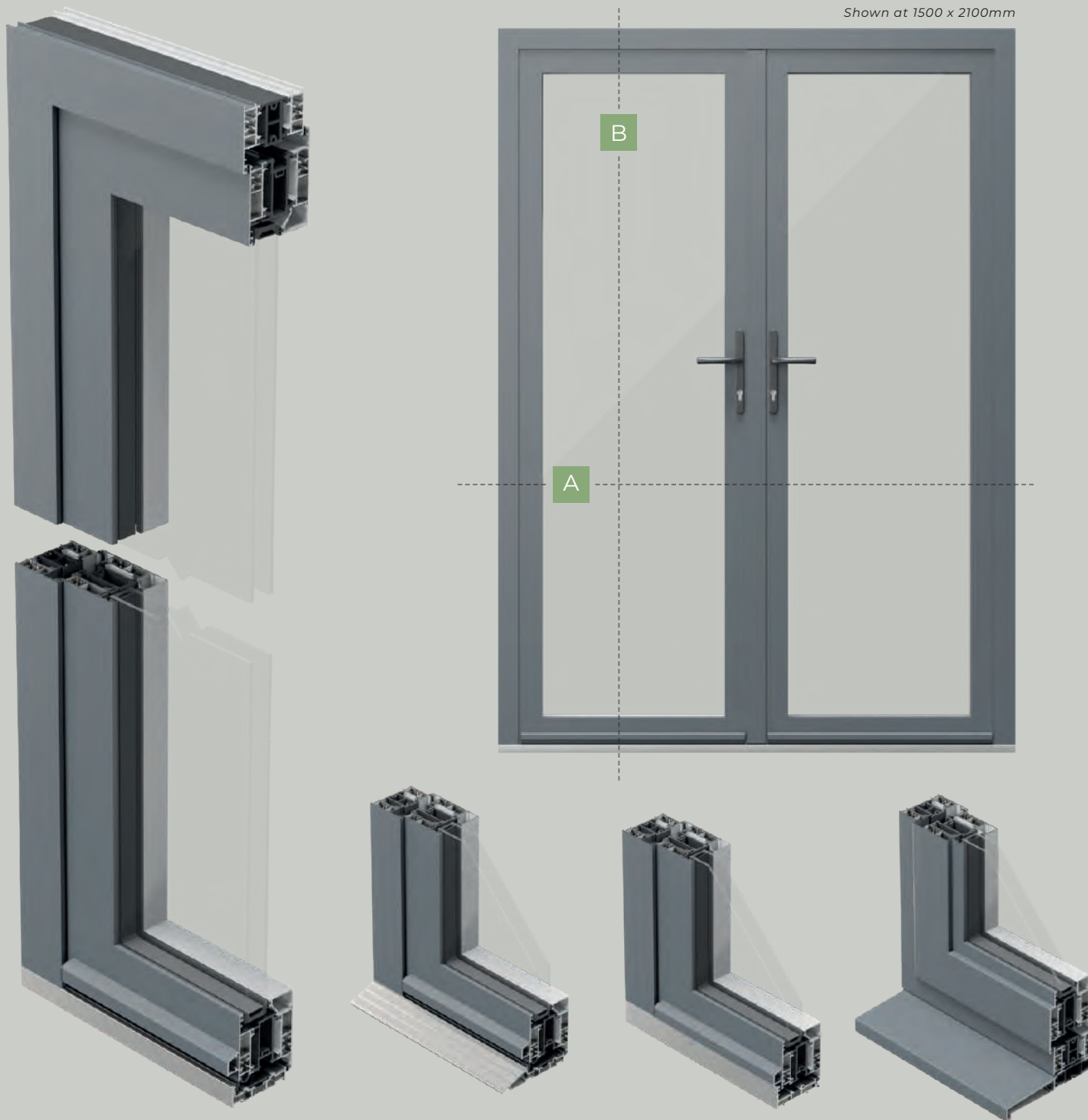
Door Sash 'Z'  
**SP351**

Door Sash 'T'  
**SP350**

Low Threshold with Ramp  
**SP700**







CONTEMPORARY  
**SP102/SP351**  
LOW THRESHOLD  
SP701

CONTEMPORARY  
**SP102/SP351**  
LOW THRESHOLD with Ramp  
SP700

CONTEMPORARY  
**SP102/SP351**  
FRAME LOW THRESHOLD  
SP702

STEPPED [*Open Out Only*]  
**SP102/SP352**  
INTERMEDIATE OUTER FRAME/  
STANDARD CILL  
SP102/SA011

PRESTIGE FRENCH DOOR *INWARD OPENING* / TECHNICAL INFO

- Min Size\* 1290mm(w)
- Max Size\* 2080mm(w) x 2572mm(h)  
\*with Small Outer Frame
- Max Sash Size\* 1000mm(w) x 2500mm(h)

OUTER FRAME†:	SMALL	INTERMEDIATE	LARGE
SIGHTLINES:	113mm	127mm	137mm

†page 64 for options

GLAZING	CONTEMPORARY	STEPPED
DOUBLE GLAZED	28mm	28mm
U VALUE	1.4	1.4
DSER RATING	B	B
TRIPLE GLAZED	44mm	36mm
U VALUE	1.0	1.1
DSER RATING	A	A

See building regulation sections from page 144 for details



SECURITY  
**PAS 24 & SBD Certified**



WATER TIGHTNESS  
**Class 2A**



AIR PERMEABILITY  
**Class 4**



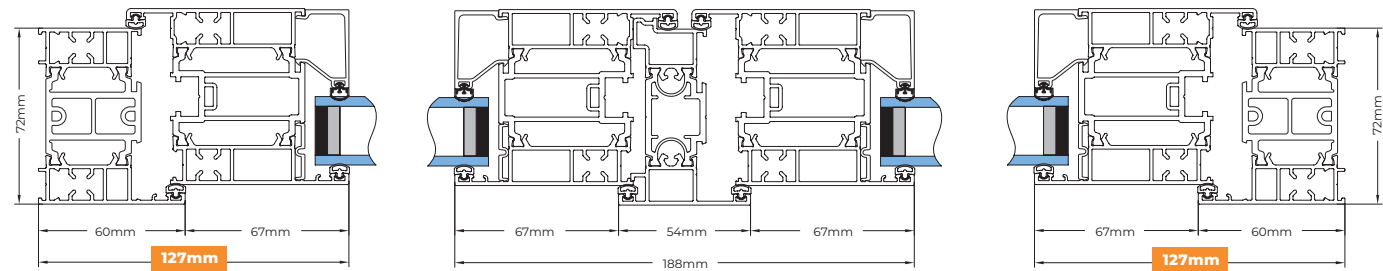
WIND RESISTANCE  
**Class C3**

**PART L** Compliant ✓



A

Cross section shown with Intermediate Outer Frame **SP102**, Door Sash 'Z' **SP351** and Meeting Stile **SP250**

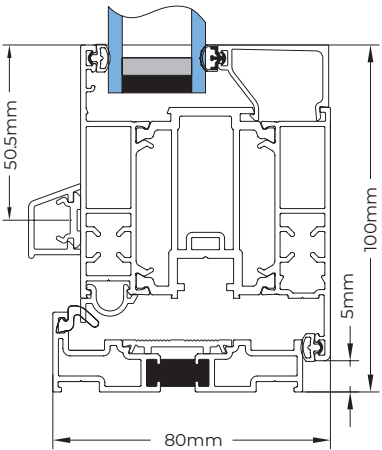
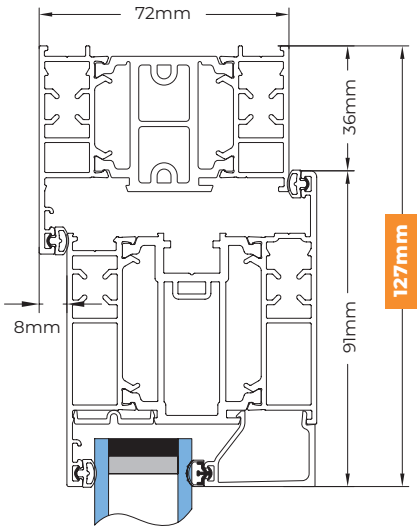


B

Cross section shown with  
Intermediate Outer Frame  
**SP102**

Door Sash 'Z'  
**SP351**

Low Threshold  
**SP701**



PRESTIGE DOORS

# OUR ACHIEVEMENTS



**BEST MODERN  
ALUMINIUM EXTRUSION  
COMPANY 2024**

SME UK Enterprise award



**9<sup>TH</sup> FASTEST  
UK GROWTH**

Oresa Growth Index



**RISING STAR -  
BEN HARTSHORN**

G23 Awards



**MANAGING DIRECTOR  
OF THE YEAR -  
ROGER HARTSHORN**

NFA 2023



**NEW PRODUCT  
OF THE YEAR -  
PRESTIGE PATIO DOOR**

NFA 2023



**BEST TECHNICAL  
INNOVATION -  
S1 LANTERN ROOF**

GGP Installer Awards 2022



**LIFETIME ACHIEVEMENT  
AWARD -  
ROGER HARTSHORN**

NFA 2022



**BEST TECHNICAL  
INNOVATION -  
SHEERLINE SYSTEM**

GGP Installer Awards 2020





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