

Smart Visofold 1000 Series French Door System



smart
architectural aluminium

Ally Windows and Doors Ltd

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Smart Visofold 1000 Series (French Door System)

Recommended Design Limitations

Minimum Sash Width	700mm
Maximum Sash Width	1200mm
Maximum Sash Height	2500mm
Maximum Sash Weight	Dependent on Site Location 100kg

Weather Performance - Open Out - Rebated Threshold

BS EN 1026: 2000 Air Permeability:	Class 4 600Pa
BS EN 1027: 2000 Water tightness:	Class E 750Pa
BS EN 12211:2000 Resistance to Wind Load	Class A4 1800Pa

Important Note:

Low Thresholds have not been weather tested as they are unlikely to exceed UK exposure category 800 X shown below:

BS EN 1026 : 2000 Air Permeability	Class 1 150 Pa
BS EN 1027 : 2000 Water Tightness	Class 2A 50 Pa
BS EN 12211 : 2000 Resistance to Wind Load	Class A4 1800 Pa

Profile Specification

The frames are constructed of aluminium alloy extrusion to BS EN 755, extruded from 6063 T6 alloy. The external aluminium alloy extrusion is pre treated and finished either in -

Anodised to BS 3987: 1987, grade AA25 to a natural self colour
Polyester powder organic coating to BS 6496

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Over View

Smart Visofold 1000 Series (French Door System) -

- **Contemporary & Elegant**, with ultra slim sight lines of just 102.5mm providing more glass and less aluminium
- **Insulated & Durable**, aluminium profiles are thermally broken with polyamide for enhanced thermal performance
- **Effortless To Operate**, the door system makes us of bespoke aluminium extrusions specifically designed for French door systems resulting in ease of operation
- **Great Value For Money**, Smart Visofold 1000 series French doors are cost effective without compromising on quality
- **Compliant**, with latest regulations and insurance requirements
- **Secure**, all doors as standard includes for three star diamond rated high security ABS locking cylinder, integrated with multi point locking (master door only) and an interim locking handle for slave door engaging shoot bolts top and bottom
- **Weather Rated**, Smart Visofold 1000 series French doors have been tested to BS 6375: Part1: 2009, meeting the requirements for resistance to wind loads, air permeability and water tightness
- **Guaranteed**, as standard the Smart Visofold 1000 series includes for a manufacturer's warranty

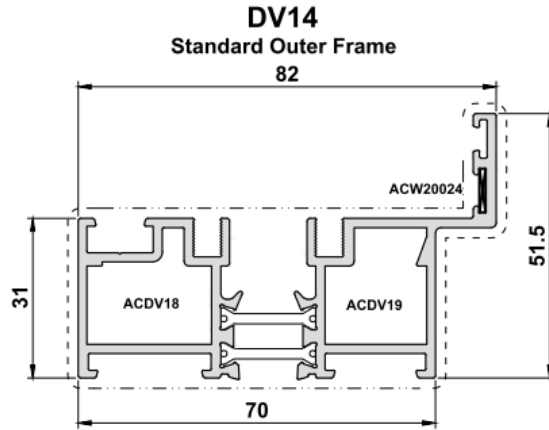
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Threshold Options

DV14 - Standard Threshold (Rebated)

This is the recommended threshold type as it provides complete water tightness.

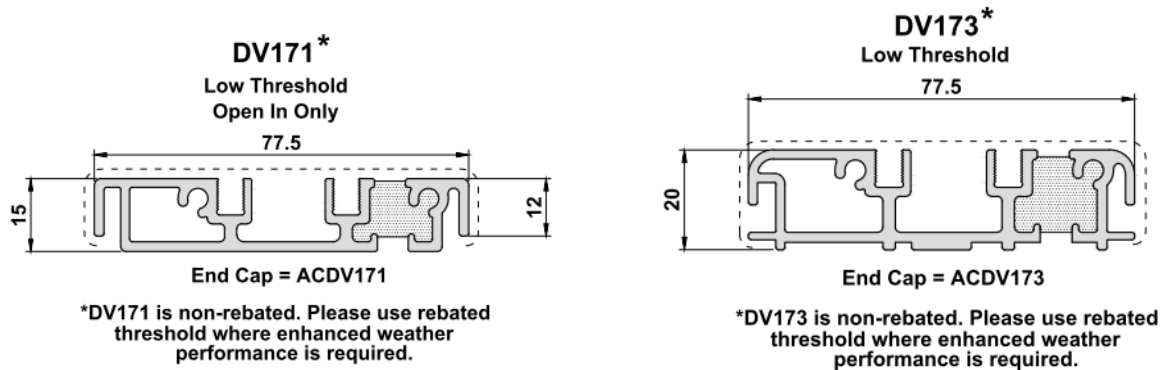


DV171* & DV173* - Low Threshold Options

A low threshold option is available to provide ease of egress from outdoors to indoors or indoors to outdoors.

This system is not recommended for areas with soft floor finishes as it does not provide a complete weather shield.

DV171 is DDA compliant.



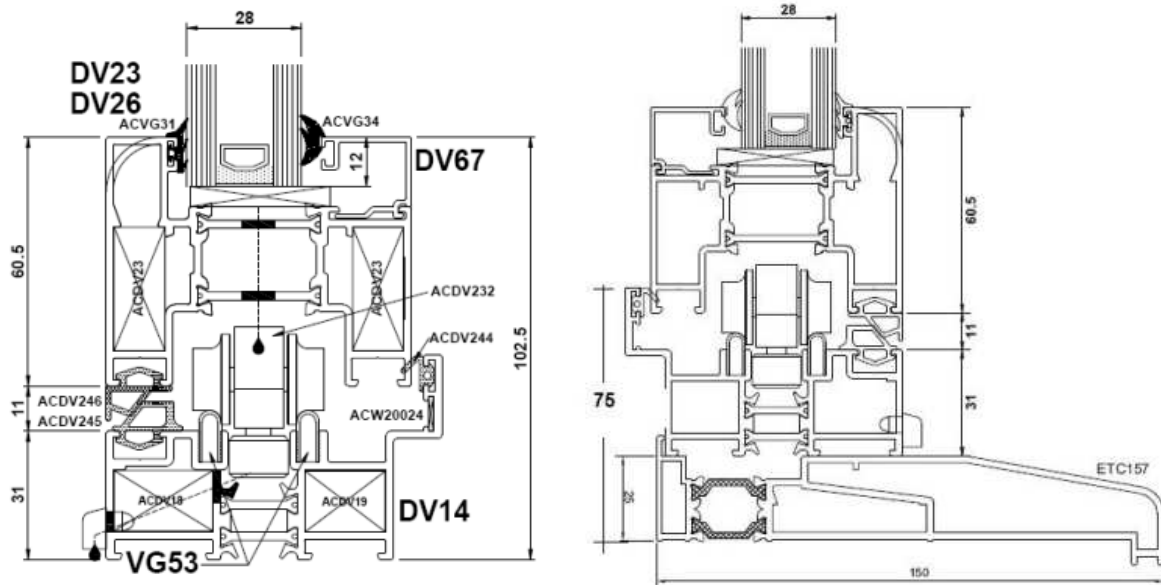
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Threshold Overview

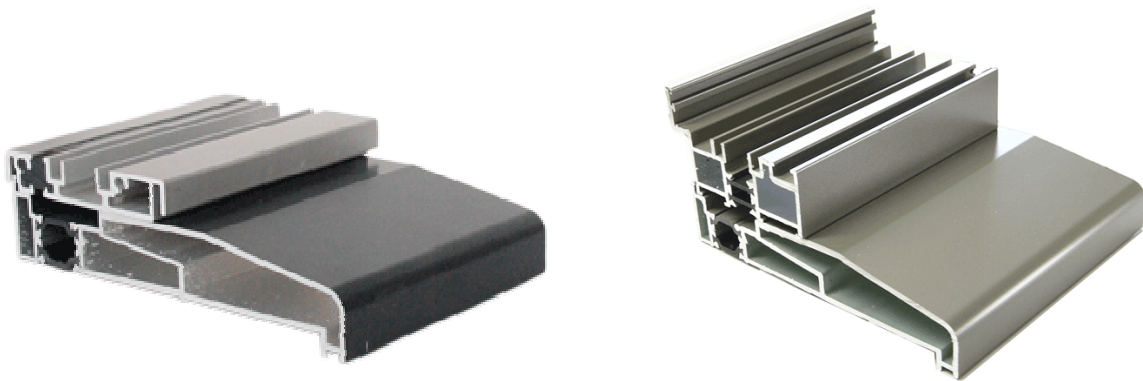
The image on the left depicts the weathered threshold without a door sill.

The image on the right depicts the weathered threshold with an extruded aluminium sill, 150mm deep.



The images below depict all threshold options are available with extruded door sills.

The image of the left depicts the low threshold option. The image on the right depicts the standard threshold option both installed with an extruded 150mm sill.



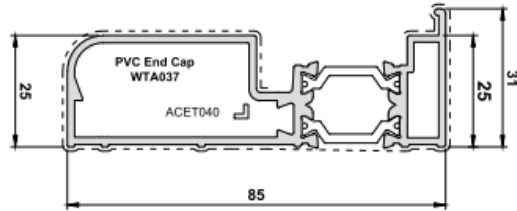
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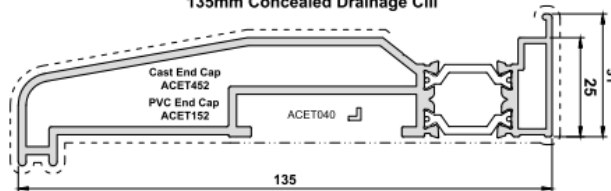
Door Sill Options

As standard all doors are complete with an extruded 150mm sill (unless otherwise stated). There is an option to accommodate different door sills as follows -

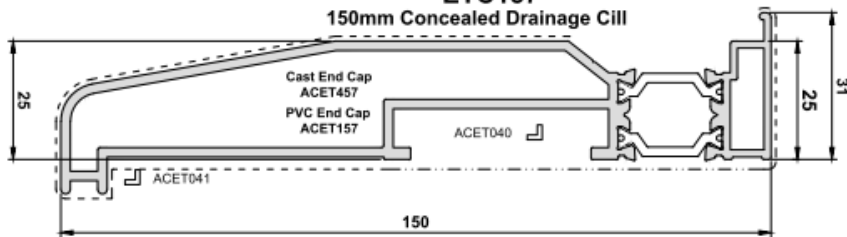
ETC178
85mm Stub Cill



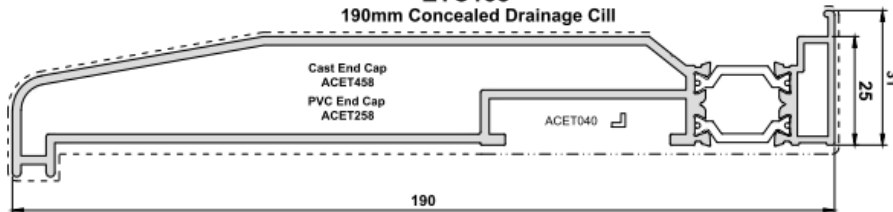
ETC152
135mm Concealed Drainage Cill



ETC157
150mm Concealed Drainage Cill



ETC158
190mm Concealed Drainage Cill

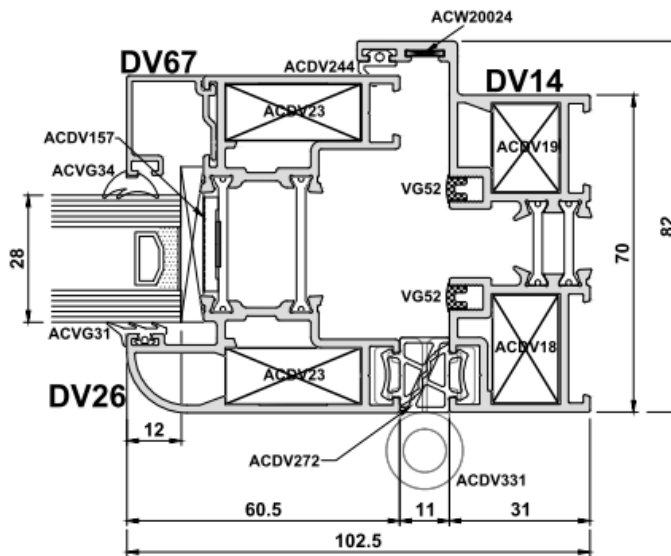
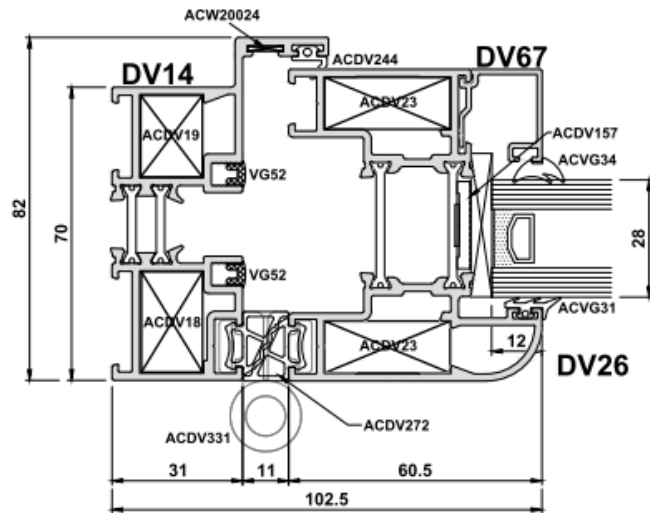
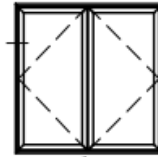


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Sight Line Overview - Outer Frame (Open Out)

The images below depict the outer frame sight lines.

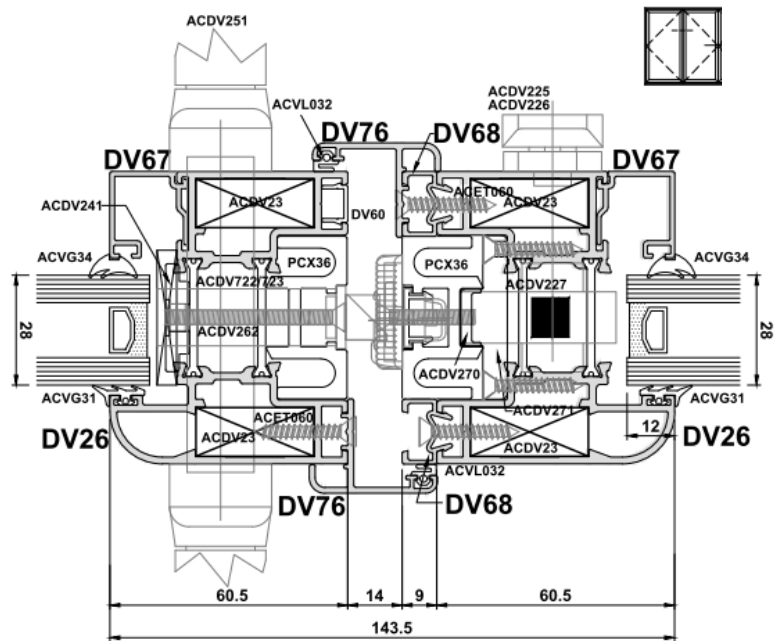


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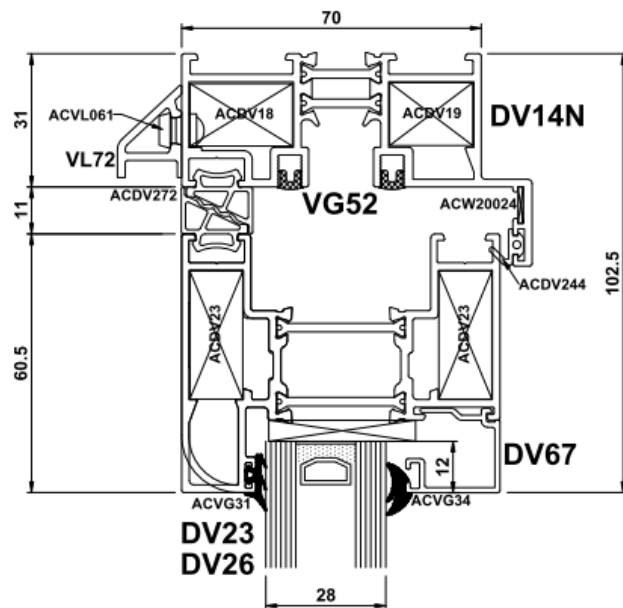
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Sight Line Overview - Meeting Stile (Open Out)

The image below depicts the typical meeting stile.



The below image depicts the head detail.

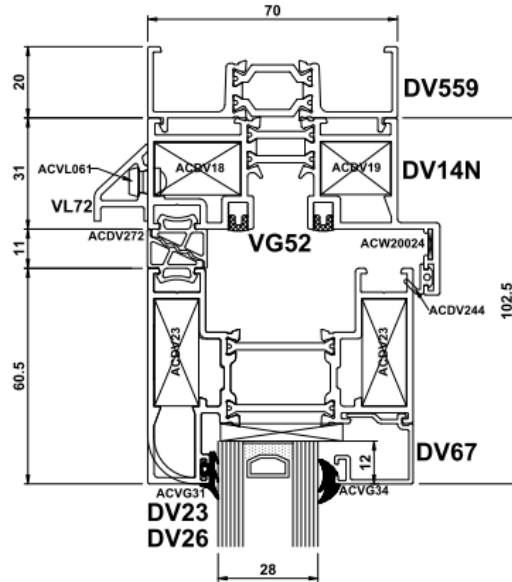


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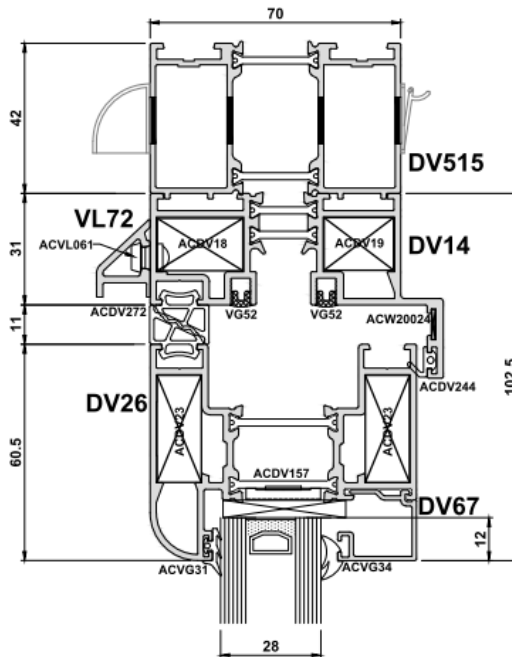
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Trickle Ventilation

Trickle ventilation is accommodated from via a head extension. The below image depicts a head extension 20mm deep.



The below image depicts trickle ventilation inserted via a 42mm head extension.



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Ironmongery - Handles

All French doors are complete with a lever handle for the master door and a lockable interim handle for the slave door. Handles are available in black white or silver.

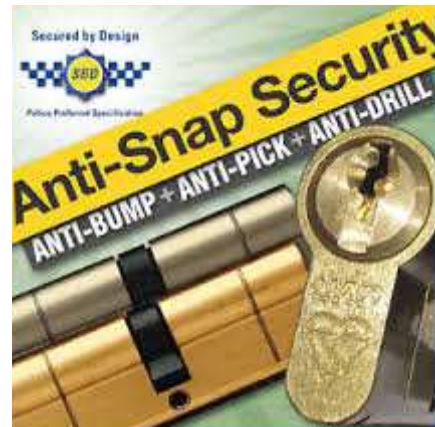


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Ironmongery - Locking Cylinders

As standard all doors are complete with three star diamond rated, high security locking cylinders integrated with the multi point locking. Anti Bump, Anti Snap, Anti Drill, Anti Pick.



Trickle Vents

Trickle vents if required are available in black, white or anthracite grey only. Trickle vents will be provided via a head extension.



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