



# AS1428.1

DOOR COMPLIANCE

**CAPRAL**  
ALUMINIUM

# AS1428.1 specifies the design requirements for new building work, as required by the National Construction Code (NCC) to provide access for people with disabilities.

Particular attention is given to continuous accessible paths of travel and circulation spaces for people who use wheelchairs, access and facilities for people with ambulatory and sensory disabilities.

This guide details solutions for Capral aluminium door systems align with key elements of AS1428.1. For the full requirements beyond what's included here, please refer to the complete standard.



## Opening Width

### HINGED DOOR

A clear opening width of 850mm is required.

### SLIDING DOORS

A clear opening width of 850mm is required with a 60mm clearance between the handle and the jamb when opened.

## Hardware – Door Controls

- ▶ Door handles to be 1000mm +/- 100mm from floor level
- ▶ Door handle to allow door to be unlocked and opened with one hand
- ▶ Clearance between the handle and back plate or door face to be between 35 to 45mm D type handles shall be provided on sliding doors

## Thresholds

Ramped – inclined surface on a continuous accessible path of travel with a maximum rise of 35mm, length not greater than 280mm and a gradient not steeper than 1 in 8.

Abutment of surfaces shall have a smooth transition. Design transition shall be 0mm, construction tolerances shall be 0+/-3mm vertical and 0+/-5mm provided the higher edge is beveled or rounded to reduce the likelihood of tripping.

## Visual Indicators on Glass

Where there is no chair rail, handrail or transom, all frameless or fully glazed doors, sidelights, including glazing being mistaken for a doorway or opening:

- ▶ Shall be clearly marked for the full width with an unbroken solid and opaque contrasting line
- ▶ Shall be no less than 75mm high and extend across the full width of the glazing panel
- ▶ Lower edge of the contrasting line shall be between 900mm and 1000mm above the floor; and
- ▶ Shall provide a minimum luminance contrast of 30%

For buildings where AS1428.1 is not required to meet such as houses, then the manifestation requirements of AS1288 should be applied.

## Luminance Contrast

The objective of this clause is to allow the identification of a doorway in a wall by people with low vision.

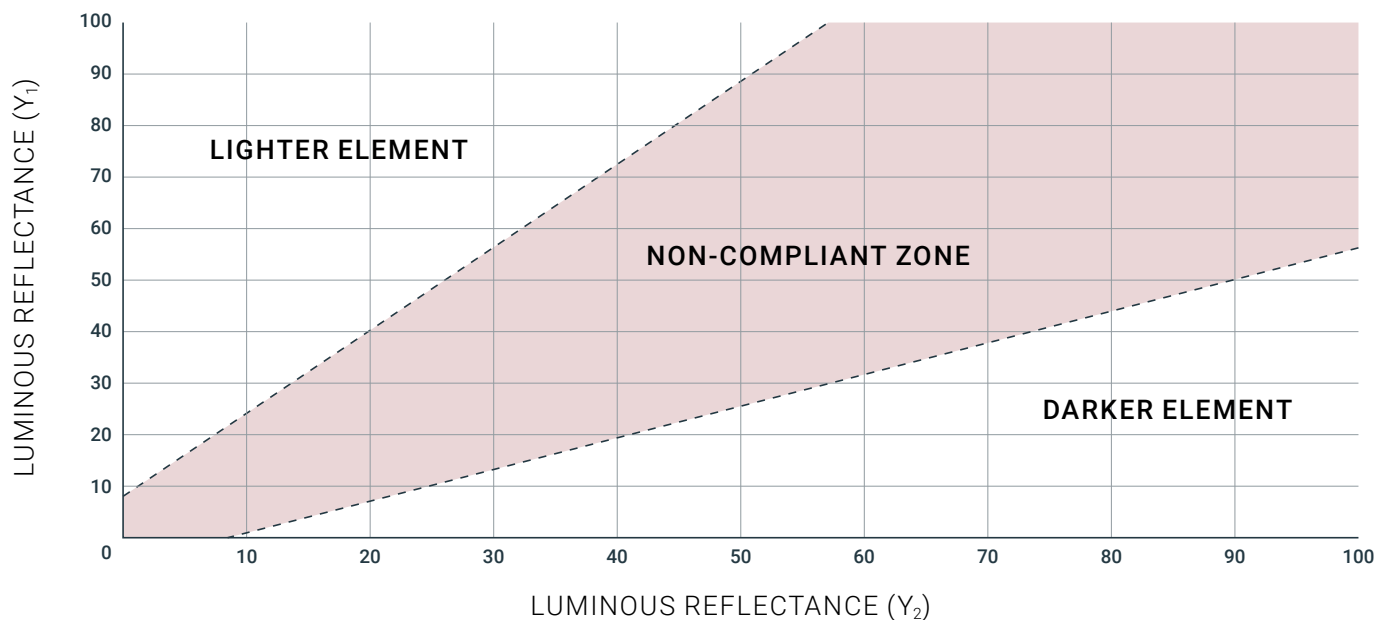
All doorways shall have a luminance contrast of 30% between:

- ▶ Door leaf and door jamb; or
- ▶ Door leaf and adjacent wall; or
- ▶ Architrave and wall; or
- ▶ Door leaf and architrave; or
- ▶ Door jamb and adjacent wall.

The minimum width of the area of luminance contrast shall be 50mm.

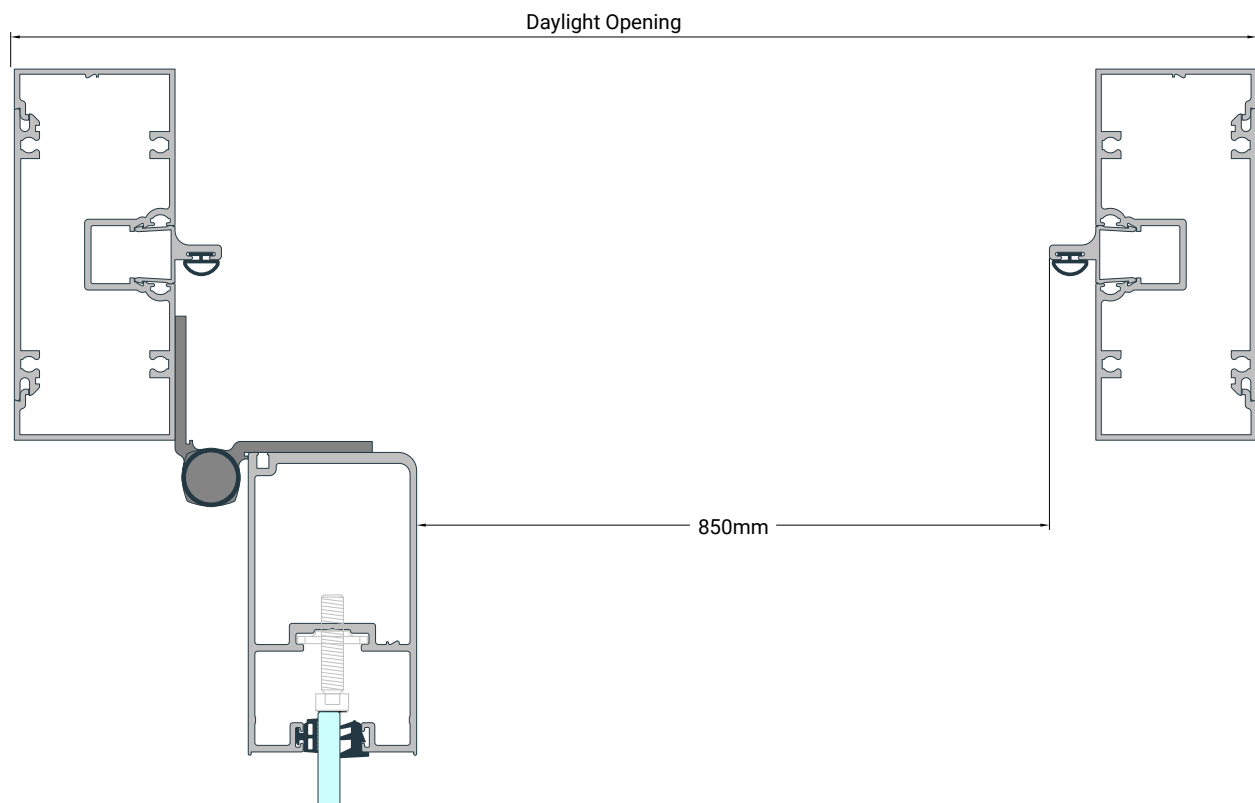
Light reflective values (LRV) are now provided by finish suppliers on their websites or colour cards.

The below graph which has been extracted from the Australian Standard is an easy way to verify the contrast. Plot your two values on the X and Y axis and the point at which they intersect needs to fall outside the non-compliant zone.





# Hinged Doors



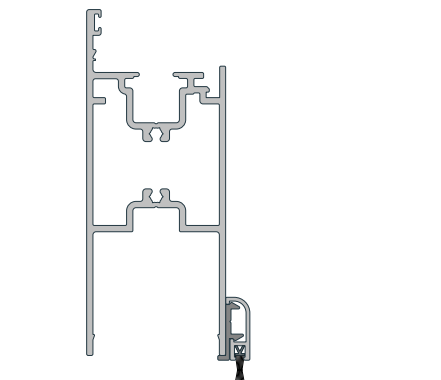
## Opening Width

| Framing System    | Jamb Width | Door Stile Depth | Daylight Opening |
|-------------------|------------|------------------|------------------|
| Urban Plus 397    | 20mm       | 36mm             | 966              |
|                   | 40mm       | 46mm             | 976              |
|                   | 40mm       | 36mm             | 1006             |
|                   | 40mm       | 46mm             | 1016             |
| AGS 400           | 44mm       | 46mm             | 1021             |
| AGS 425           | 50mm       | 46mm             | 1033             |
| AGS 419           | 50mm       | 46mm             | 1033             |
| AGS 429           | 55mm       | 46mm             | 1043             |
| AGS 600           | 50mm       | 46mm             | 1033             |
| AGS 601           | 44mm       | 46mm             | 1021             |
| AGS 625           | 50mm       | 46mm             | 1033             |
| AGS 629           | 55mm       | 46mm             | 1043             |
| AGS 1029          | 55mm       | 46mm             | 1043             |
| Futureline 425TB  | 62mm       | 46mm             | 1059             |
| Futureline 429TB  | 62mm       | 46mm             | 1059             |
| Futureline 629TB  | 62mm       | 46mm             | 1059             |
| Futureline 1029TB | 62mm       | 46mm             | 1059             |

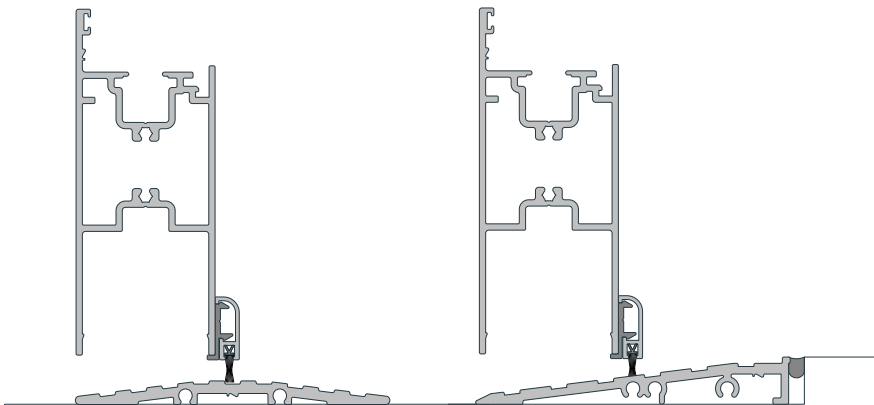
# Hinged Doors

## Threshold Options — not water rated

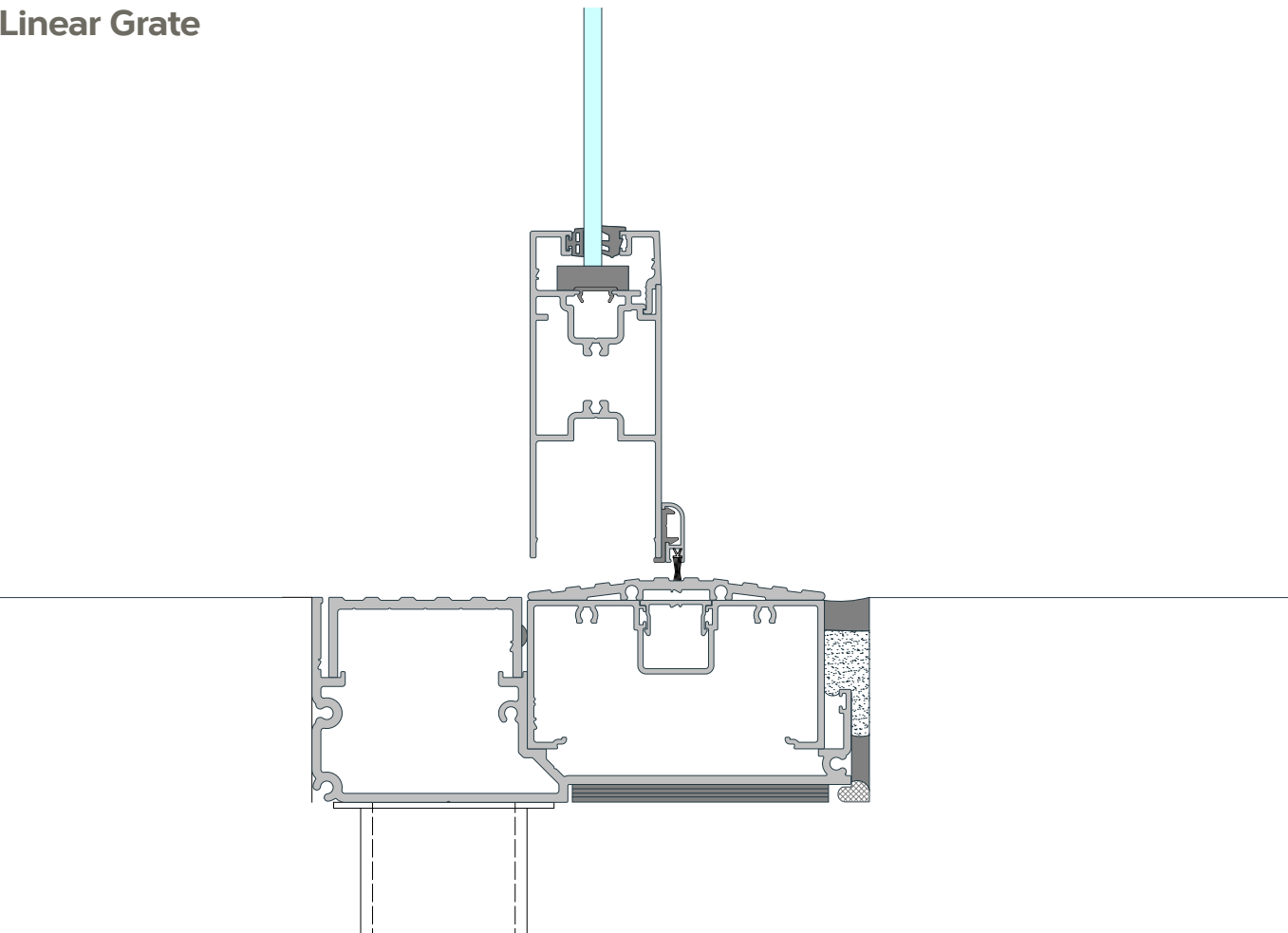
No threshold



Ramped



Linear Grate



# Hinged Doors

## Suitable Hardware

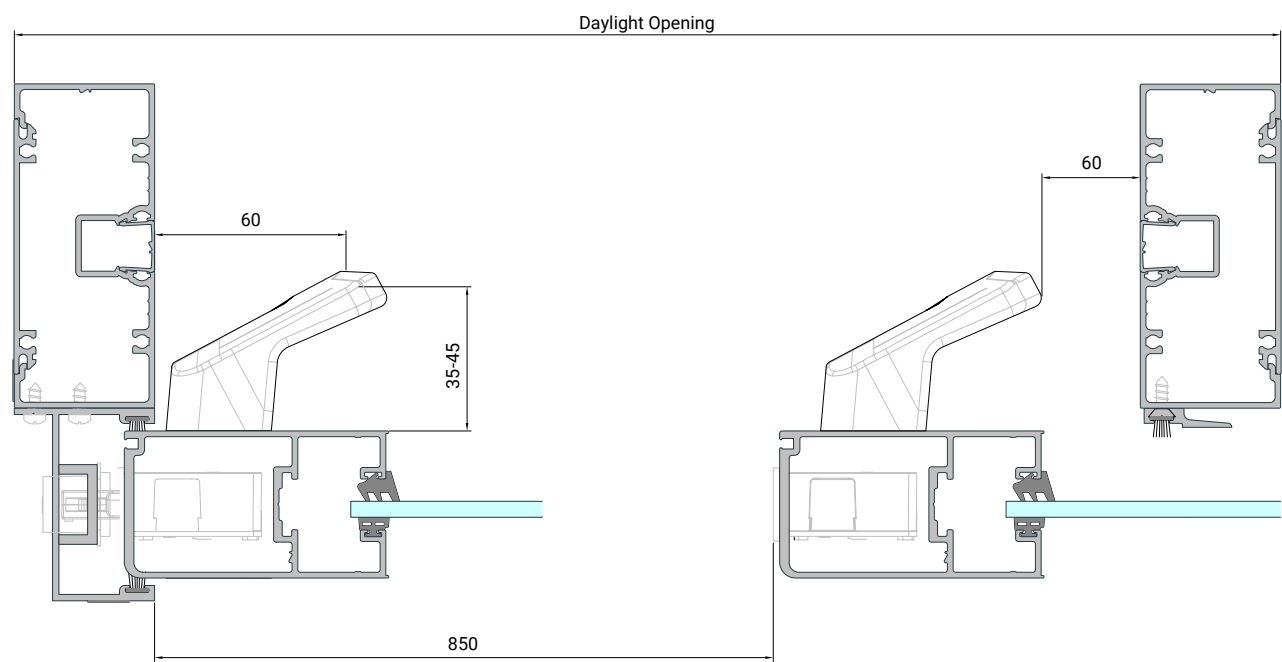
### Lock body and handle

| Capral Part # | Description                           |
|---------------|---------------------------------------|
| 322723        | Caprio Escape Lockset 30mm            |
| 322747        | Caprio Escape Lockset 60mm            |
| 322771        | Caprio Double Cylinder Lockset 30mm   |
| 322795        | Caprio Double Cylinder Lockset 60mm   |
| 319480        | Selector Double Cylinder Lockset 30mm |
| 319491        | Selector Single Cylinder Lockset 30mm |
| 336181        | Lockwood 3772 Single Cylinder Lockset |
| 331209        | Lockwood 3772 Double Cylinder Lockset |





# Sliding Doors



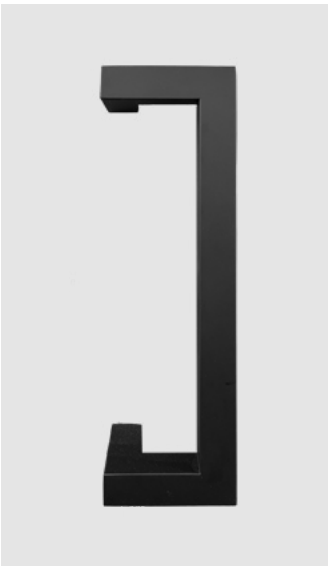
## Suitable Hardware

### Lock body

| Capral Part # | Description                            |
|---------------|----------------------------------------|
| 336285        | Yale Double Cylinder Mortice Lock 35mm |
| 336282        | Yale Cylinder/Turn Mortice Lock 22mm   |
| 336286        | Yale Cylinder/Turn Mortice Lock 35mm   |

# Handles

## Andor Square Handle



### AGS 225 SLIDING DOOR (STD/WIDE STILE)

| Frame    | Min. Opening (mm) |
|----------|-------------------|
| AGS 400  | 2168              |
| AGS 425  | 2186              |
| AGS 419  | 2186              |
| AGS 429  | 2201              |
| AGS 600  | 2186              |
| AGS 625  | 2186              |
| AGS 629  | 2201              |
| AGS 1029 | 2201              |

### AGS 900/994 SLIDING DOOR

| Frame        | Interlock | Min. Opening (mm) |
|--------------|-----------|-------------------|
| Plain        | 50mm      | 2168              |
| Head as Jamb | 50mm      | 2186              |
| Plain        | 30mm      | 2186              |
| Head as Jamb | 30mm      | 2201              |

### FUTURELINE 994TB SLIDING DOOR

| Frame | Interlock | Min. Opening (mm) |
|-------|-----------|-------------------|
| All   | Standard  | 2315              |

# Handles

## Silvi Round Handle



### AGS 225 SLIDING DOOR (STD/WIDE STILE)

| Frame    | Min. Opening (mm) |
|----------|-------------------|
| AGS 400  | 2240              |
| AGS 425  | 2258              |
| AGS 419  | 2258              |
| AGS 429  | 2273              |
| AGS 600  | 2258              |
| AGS 625  | 2258              |
| AGS 629  | 2273              |
| AGS 1029 | 2273              |

### AGS 900/994 SLIDING DOOR

| Frame        | Interlock | Min. Opening (mm) |
|--------------|-----------|-------------------|
| Plain        | 50mm      | 2279              |
| Head as Jamb | 50mm      | 2233              |
| Plain        | 30mm      | 2264              |
| Head as Jamb | 30mm      | 2218              |

### FUTURELINE 994TB SLIDING DOOR

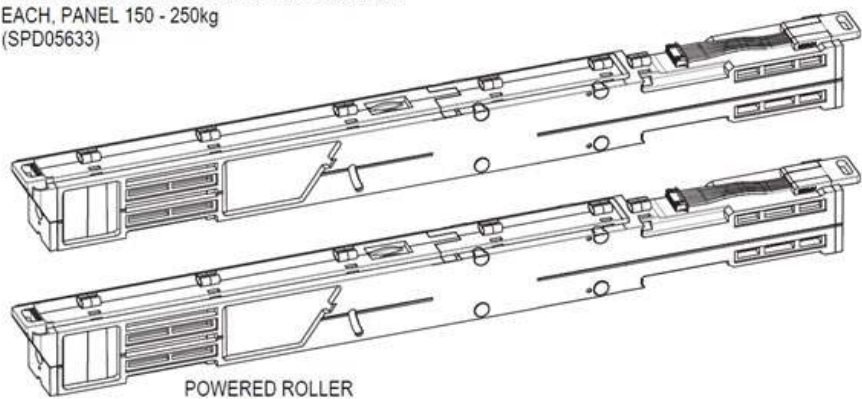
| Frame | Interlock | Min. Opening (mm) |
|-------|-----------|-------------------|
| All   | Standard  | 2389              |

# Volta Power Assisted Rollers

Suitable for the AGS 900 Sliding Door and the Futureline 994TB Sliding Door.

Operational force <20N.

**324139**  
**POWER ASSIST DOUBLE ROLLER KIT**  
EACH, PANEL 150 - 250kg  
(SPD05633)



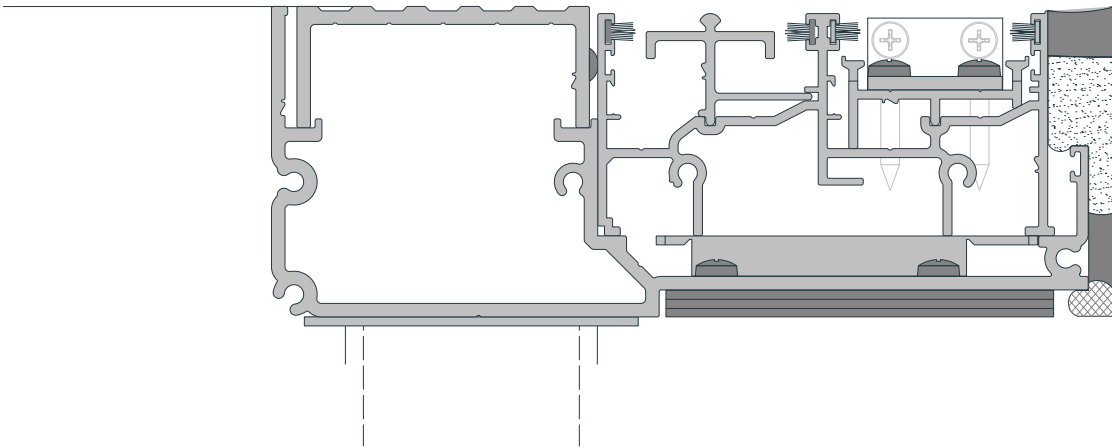
# Sliding Doors

## Threshold Options

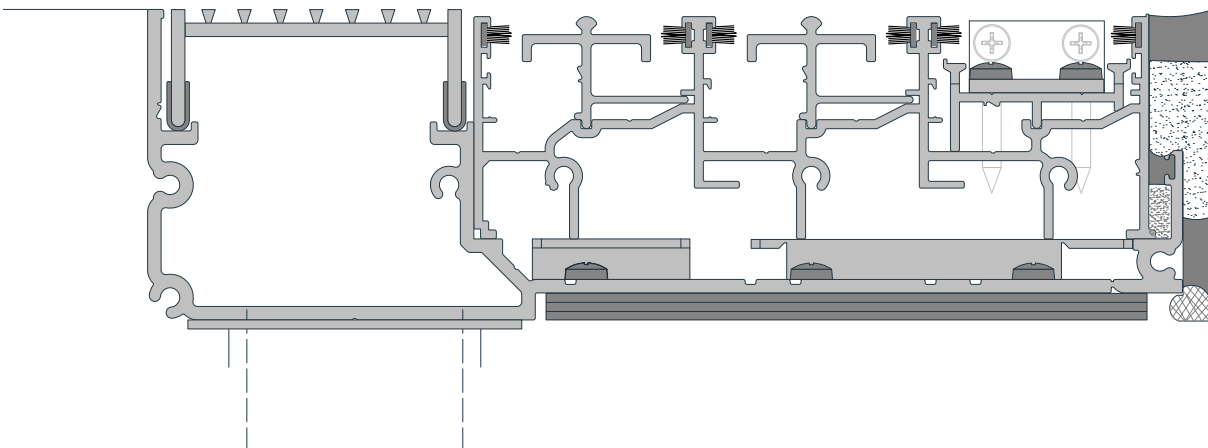
---

### Aquago linear grate

100mm



150mm

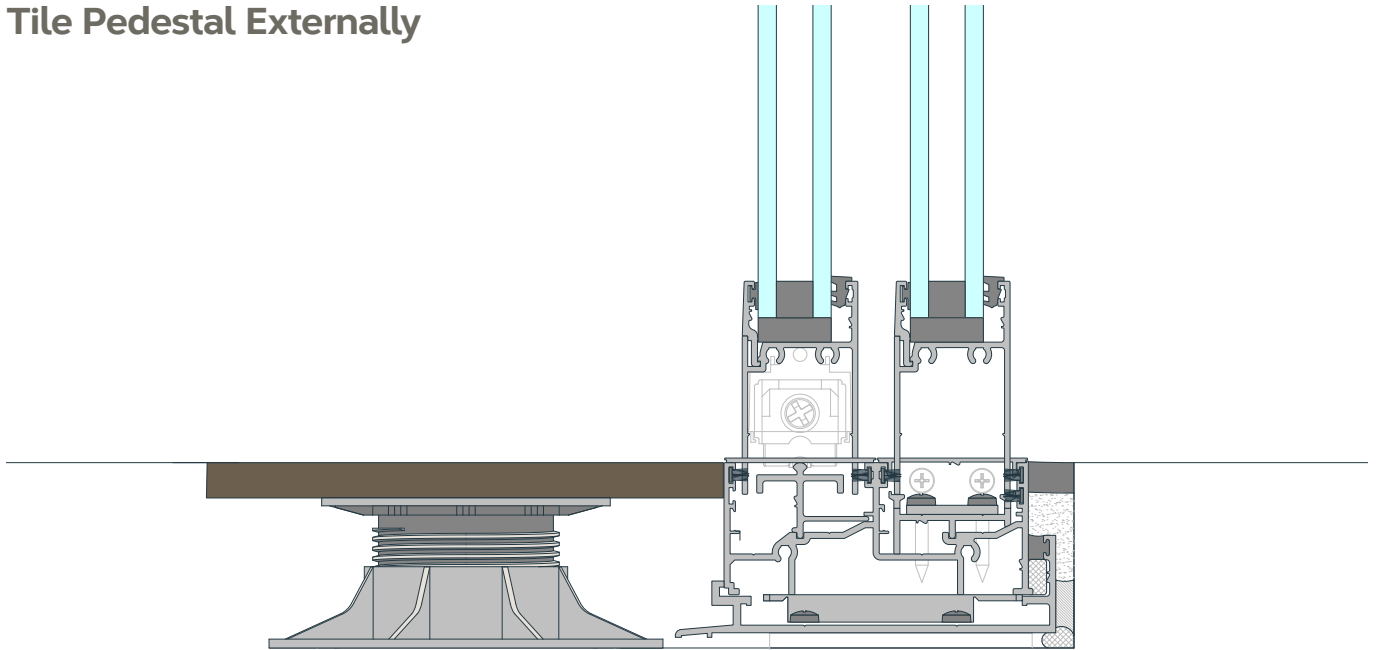


# Sliding Doors

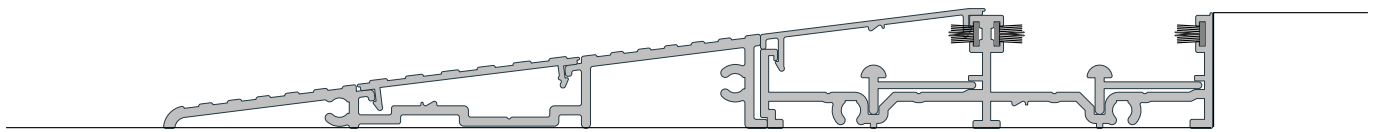
## Threshold Options

---

### Tile Pedestal Externally



### Ramped – Not water rated



### Internal Use – Not water rated





**Want to know more?**

**Connect with one of our Specification Specialists  
who can review your requirements**

FOR FURTHER  
INFORMATION:

Visit **capral.com.au**

Call **1800 ALUMINIUM**

to speak to one of our Specification specialists.





ABN 78 004 213 692

1800 ALUMINIUM (258 646)

[capral.com.au](http://capral.com.au)

---

February 2026