

Architects: LOTT JP/ BRESSON - COMBES - ONDET/ ARCHITECTES Photographer: Camus



TOPAZE

CONTEMPORARY DOOR







TOPAZE, sobriety, simplicity and adaptability



Architect: Lionel DUNET Photographer: Xavier Benony

TOPAZE is a range of single- or double-action hinged doors with a 46 mm module. Coplanar outer and opening frames. Single action opening via a split hinge or double action opening via an in-ground pivot.

Single action

- 1 & 2 leaves, open in or open out.
- Recessed split hinges (max. weight 100 kg) or surface-mounted split hinges (max. weight 120 kg).
- A choice of different thresholds tailored to different locations: exposed sites, premises visited by disabled persons, etc.
- A wide range of handles and closure systems with different ergonomics: lever handles, push and pull bars, keypads, etc.
- Special mechanisms for enhanced security: electric strike, emergency access cremone bolt, emergency exit push bar, etc.

Double action

- 1 & 2 leaves.
- Movement provided by an adjustable spring set into the floor.
- Finger protection.
- Identical closure systems as the single action door.



TOPAZE, contemporary door



Features and innovations

Multiple configurations

- Single action
 - 1 & 2 leaves.
 - Open in or open out
- Double action
 - 1 & 2 leaves.

Accessibility and ease of use

- Choice of different thresholds tailored to different locations: exposed sites, premises visited by disabled persons, etc.
- Security bar, forced entry delay.
- The end piece of the cremone bolt and the semi-fixed lock are saw resistant.

Closure systems

- A wide range of handles and closure systems with different ergonomics: handles, push and pull bars, keypads, etc.

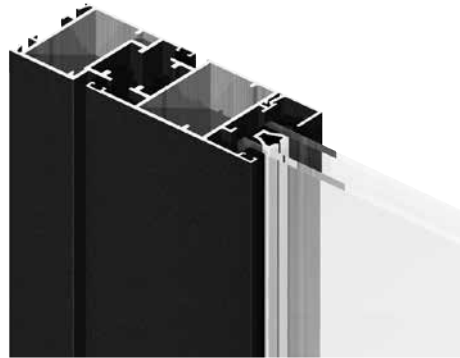
Security

- Special mechanisms for enhanced security: electric strike, emergency access cremone bolt, emergency exit push bar, etc.



TOPAZE, cutting-edge design

- Coplanar outer and opening frames.
- Single action opening system via a split hinge or double action via an in-ground pivot.
- Choice of different thresholds tailored to different locations.
- Tubular threshold offering reinforced weather tightness.



The range and ergonomics of the closure systems

- Lever handles, push or pull bars, keypad, etc.
- Technal lock: 1-, 2- or 3-point system with a cremone bolt recess in the external rabbeting.
- 3-point lock with a full-length face plate and swing deadbolt or roller latch.

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Double lever handle on a rosette



Trilobe push bar



Trilobe offset push bar



Rounded push bar



TOPAZE, easy to use

- Security bar, forced entry delay.
- The end piece of the cremone bolt and the semi-fixed lock are saw resistant.



Movement

- Single action door:
 - 2-part recessed split hinges, max. weight 100 kg/leaf.
 - Surface-mounted split hinges, max. weight 120 kg/leaf.
- Door-closer, spring set into the ground.



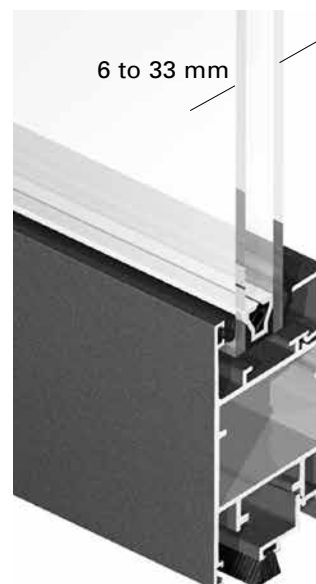
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Many additional options

- Electric strike.
- Cremone bolt for emergency access.
- Emergency exit push bar.
- Electromagnetic lock.
- Door-closer with a scissor or a sliding arm.

Door bottom water tightness

- Peripheral opening frame or baseboard.
- Double watertight seal for exposed sites.
- Special threshold for premises frequented by disabled persons.
- Removable threshold to facilitate maintenance.





Double-action pivoting door

- Movement via an adjustable spring set into the floor.
- Water tightness achieved by a double brush seal.
- Finger protection, 30 mm gap.
- Identical closure system as the single action doors.

Composite frames

- A wide range of solutions enabling the creation of composite frames in complex forms.
- Fully compatible with Topaze casement windows and sliding frames.
- Can be integrated with Géode curtain walling.



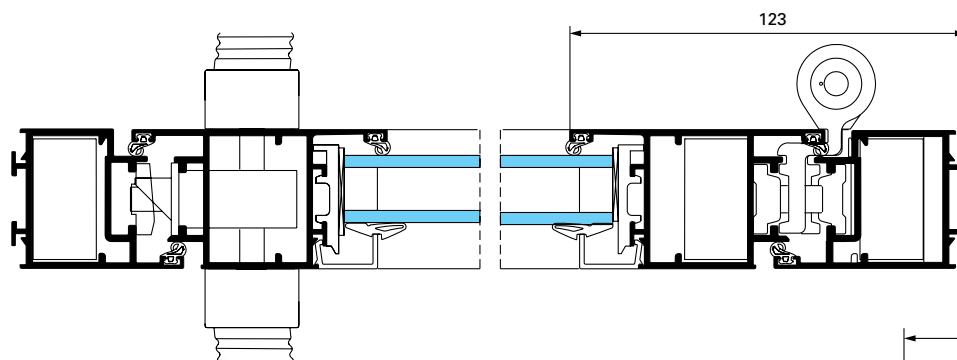
Performance

MAXIMUM DIMENSIONS PER LEAF:			
	H max.	W max.	Max. weight
With recessed split hinges	2.40 m	1.10 m	100 kg
With surface-mounted split hinges	2.20 m	1.10 m	120 kg

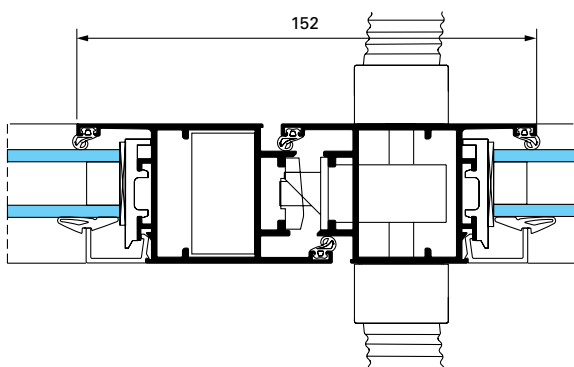
Sections

Single action

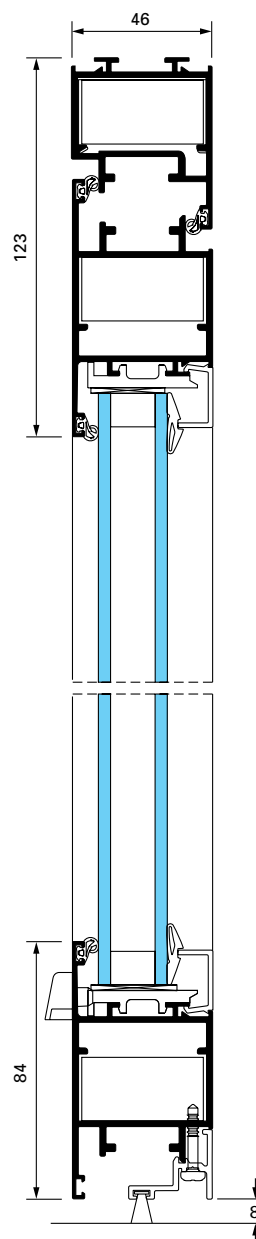
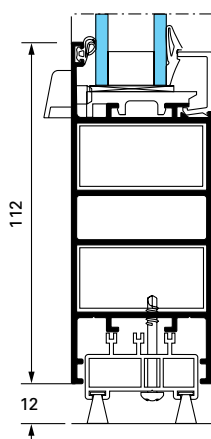
1 leaf



2 leaves



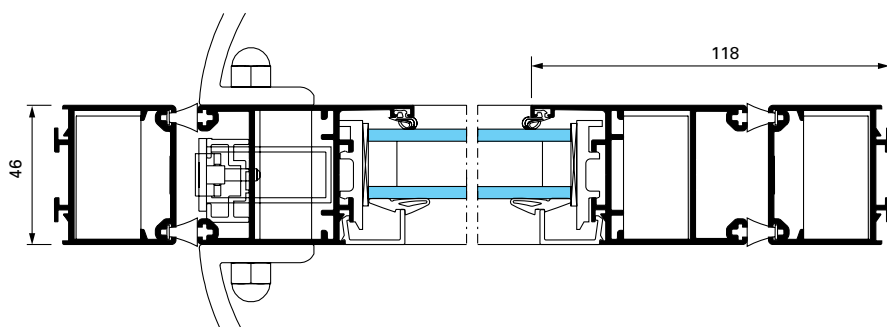
Baseboard



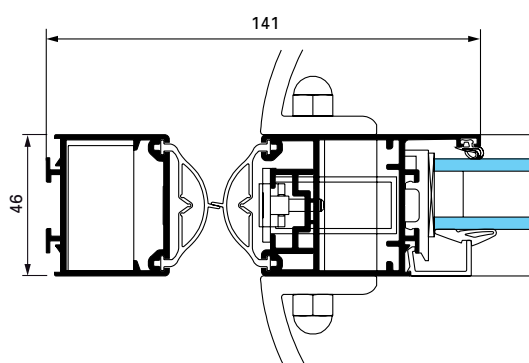


Double action

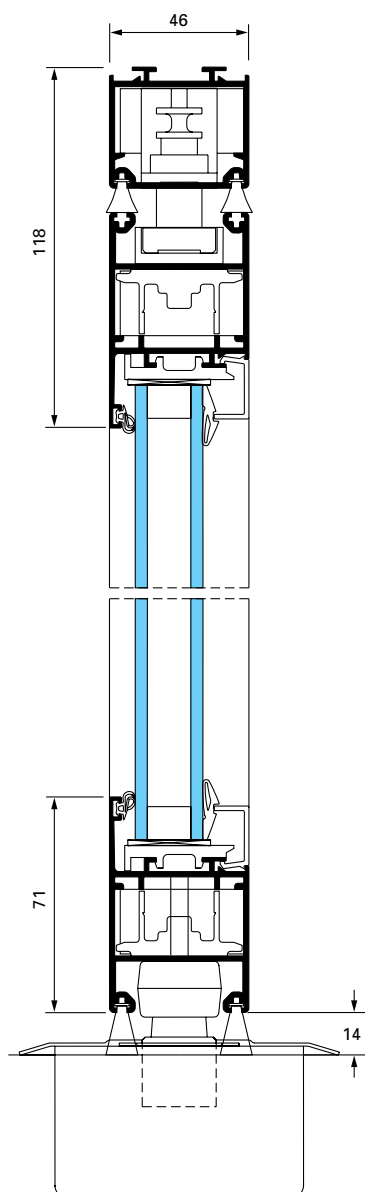
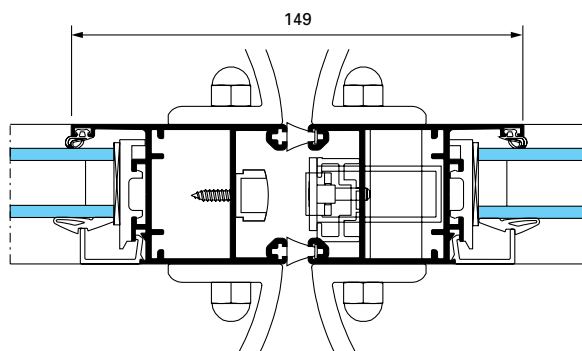
1 leaf



1 leaf with finger protection

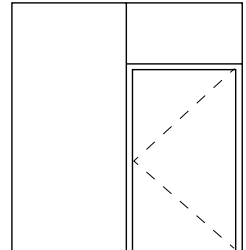
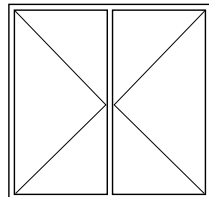
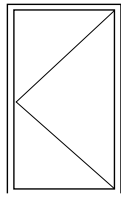
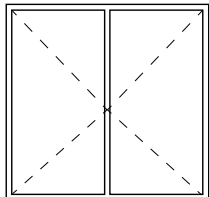
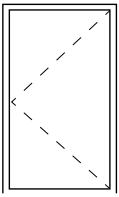


2 leaves





Applications

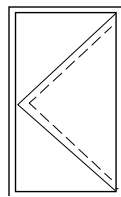
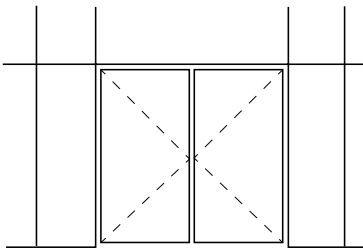


1- and 2-leaf door
Open in and open out

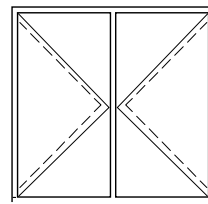
Integration with 1- and 2-leaf door



Architects: Chabanne & Partenaires Photographer: Jordi Canosa



1 leaf
Double action



2 leaves
Double action



Materials and parts

As with all Technal systems, only the highest materials and components are used to minimise maintenance and ensure long-term performance.

- Aluminium profiles are extruded from 6060 T5 EN 12020, EN 573-3, EN 515 and EN 775-1 to 9 alloys.
- Fittings are cast from EN 12844 compliant Zamak 5.
- All seals are EPDM or TPE (Thermoplastic elastomer).
- Screws are made from stainless steel.

Finishes and colours

A wide range of finishes and colours is available to meet individual project requirements, enhancing existing buildings and offering architects and designers greater design freedom:

- Natural anodised in accordance with EN 123731: 2001.
- Polyester powder coating finishes in a wide range of colours in accordance with "QUALICOAT".
- TOPAZE is also available in lacquered finishes with exclusive Technal colours for a stylish and contemporary look.



Architects: Javier Arizcuren and Miguel Alonso Photographer: José Manuel Cutillas





1



2



3

1. Architects: PUIG PUJOL ARCHITECTURE Photographer: DR Technal
2. Architect: Roberto THURINGER Photographer: DR Technal
3. Architects: Chabanne & Partenaires Photographer: Jordi Canosa