TOPAZE
CONTEMPORARY DOOR

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Photographer: Camus
TOPAZE
/ SOBRIETY, SIMPLICITY
AND ADAPTABILITY

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

FEATUERS 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.
TOPAZ / 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.
TOPAZE / EASY TO USE

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.

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:

<table>
<thead>
<tr>
<th></th>
<th>H max.</th>
<th>W max.</th>
<th>Max. weight</th>
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<tbody>
<tr>
<td>With recessed split hinges</td>
<td>2.40 m</td>
<td>1.10 m</td>
<td>100 kg</td>
</tr>
<tr>
<td>With surface-mounted split hinges</td>
<td>2.20 m</td>
<td>1.10 m</td>
<td>120 kg</td>
</tr>
</tbody>
</table>

MANY ADDITIONAL OPTIONS
- Security bar, forced entry delay.
- The end piece of the cremone bolt and the semi-fixed lock are saw resistant.
- Electric strike.
- Cremone bolt for emergency access.
- Emergency exit push bar.
- Electromagnetic lock.
- Door-closer with a scissor or a sliding arm.
- Peripheral opening frame or baseboard.
- Double watertight seal for exposed sites.
- Special threshold for premises frequented by disabled persons.
- Removable threshold to facilitate maintenance.
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

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.
- The aluminium profiles are extruded from alloys 6060 Building compliant with EN 12020, EN 573-3, EN 515 and EN 775-1 to 9.
- 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.