TOPAZE
CONTEMPORARY SLIDER
TOPAZE
/ SOBRIETY, SIMPLICITY
AND ADAPTABILITY

TOPAZE has proven itself to be the ideal system for external composite frames in hot climates and is suitable for tropical zones: cyclone resistant, installations with SAFETYLEN lignes, integration with louver or blade infills for ventilation or solar protection and the integration of mosquito screens.

TOPAZE+, EXCEPTIONAL JOINERY

TOPAZE+ offers solutions to specific market needs. Thanks to the combination of glazing up to 24 mm thick and rollers that are able to support leaves weighing up to 200 kg, TOPAZE+ is the ideal solution for large frame sizes with 1 to 8 leaves with comfort requirements (thermal insulation, acoustics and security).

As an alternative to rounded opening frames, the TOPAZE+ follows architectural trends by offering an opening frame showcasing a straight edged design.

A choice of product lines which provide the finishing touch thanks to the finesse of the mullions.

TOPAZE 20 MM, EFFICIENCY AND SIMPLICITY

The TOPAZE 20 mm is a complete range of traditional sliding systems with 1 to 4 tracks for the construction of windows or patio doors supporting leaves weighing up to 140 kg, with glazing from 5 mm to 20 mm thick.
AESTHETICS
• Choice of 2 types of opening frames for improved cohesion with architectural styles.

CLOSURE SYSTEMS
• TOPAZE 20 mm and TOPAZE+:
  - Single or double recessed handle with a lock and automatic closure system (window).
  - Multipoint closure systems (3 or 4 points) with handle and lock for enhanced security.
  - Recessed pull handle.
• TOPAZE+:
  - Half moon handle (only on rounded mullions) with a single-action unlocking system for the easy manipulation of service leaves (Technal patent).

MULTIPLE CONFIGURATIONS
• 2, 3 or 4 tracks.
• Composite assemblies.
• Full-access version on 1 or 2 tracks.
• Configurations with Safetyline louvres.
• Integrated louvre or blade infills for ventilation or solar protection and integrated mosquito screens.

WEATHER PERFORMANCE
• Having undergone category 5 cyclone resistance testing, along with the combination of special reinforced mullions (lateral and central) and a double brush gasket with a central strip offering enhanced water tightness means that this slider can withstand cyclonic wind and rain.

2 VERSIONS OF OPENING FRAMES
• 1 version up to 20 mm.
• 1 version up to 24 mm.

KEY FEATURES AND INNOVATIONS

TOPAZE / CONTEMPORARY SLIDER

TOPAZE 20 MM
* Straight version available

TOPAZE+
* Rounded version available
TOPAZE+

EXCEPTIONAL JOINERY

- Subjected to 20000 cycles of opening and closing tests, this sliding system guarantees longevity and ease of use with leaves weighing up to 200 kg.
- Available in the traditional version, full-access version and outer-fixed frame application, the use of 6 mm to 24 mm glazing makes it possible to add acoustic, insulation and reinforced security solutions.
- Attention to finishing touches: all accessories are painted to match the sliders’ finish, all fixings are concealed, glazing gaskets are discreet thanks to the minimal flashing.

ATTENTION TO DETAIL

- Locking mechanisms: simple 1-point recessed handle, up to 4-point closure systems with handles and locks.
- Recessed track (stainless steel, aluminium) for greater durability.

THE DIVERSITY OF CREATIONS

As an alternative to rounded opening frames, the TOPAZE+ follows architectural trends with the version of the opening frame featuring straight edges. A selection of lines which providing the finishing touch to the meticulous aesthetics thanks to the finesse of the mullion.

STRAIGHT DESIGN

- 41 mm central mullion, very clean lines.
- Straight lateral mullion.
- Reinforced central and lateral mullions for large scale designs.

ROUNDED DESIGN

- Central mullion 41 mm, narrow front edge, strong profile.
- Curved lateral mullion.
- Reinforced central and lateral mullions for large scale designs.
SECTIONS OF THE TOPAZE+

PATIO DOOR, 2 LEAVES - 2 TRACKS

101.3

3 LEAVES - 3 TRACKS

Cyclone resistant

4 LEAVES - 2 TRACKS

Rounded design

4 LEAVES - 4 TRACKS

Straight design

SECTIONS OF THE TOPAZE+

PATIO DOOR, 2 LEAVES - 2 TRACKS

101.3

3 LEAVES - 3 TRACKS

Cyclone resistant

4 LEAVES - 2 TRACKS

Rounded design

4 LEAVES - 4 TRACKS

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Straight design
SECTIONS TOPAZE+

FULL-ACCESS VERSION - MONORAIL - 1 LEAF

FULL-ACCESS VERSION - MONORAIL - 2 LEAVES CENTRAL PERCUSSION

FULL-ACCESS VERSION - 2 RAILS - 2 LEAVES

OUTER-FIXED FRAME - MONORAIL

OUTER-FIXED FRAME - 2 RAILS - 4 LEAVES
TOPAZE 20 MM

EFFICIENT AND AESTHETIC

- Rollers supporting the weight of the leaves weighing up to 140 kg.
- Aluminium tracks for 1 to 8 leaves.
- Glazed infill from 5 to 20 mm thick.
- Sound reduction of up to 35 dB(A) for the comfort of the occupant.
- Optimised glazed area due to the thin design of the central and lateral mullions therefore maximising light.
- Choice of 2 types of opening frames for improved cohesion with architectural styles.

A COMPREHENSIVE RANGE OF LOCKING MECHANISMS

- Single or double recessed handle with a lock and automatic closure system (window).
- 3-point locking system for increased security.
- Recessed pull handle (window and patio door).

SUITABLE FOR TROPICAL ZONES

- Having undergone category 5 cyclone resistance testing, along with the combination of special reinforced mullions (lateral and central) and a double brush gasket with a central strip offering enhanced water tightness means that this slider can withstand cyclonic wind and rain.
- The reinforced inertia of the mullions means that we can produce sliding systems up to 2.60 m high without a loss of performance.
- This slider offers solutions that are particularly suited to tropical zones: configurations with SAFETYLINES louvres, integrated louvre or blade infills for ventilation or solar protection and integrated mosquito screens.
SECTIONS TOPAZE 20 MM

2 LEAVES - 2 TRACKS

Reinforced central mullions

Basic design

Rounded Design

Cyclone resistant

4 LEAVES - 2 TRACKS

3 LEAVES - 3 TRACKS

4 LEAVES - 4 TRACKS

SECTIONS TOPAZE 20 MM

2 LEAVES - 2 TRACKS

Reinforced central mullions

Basic design

Rounded Design

Cyclone resistant

4 LEAVES - 2 TRACKS

3 LEAVES - 3 TRACKS

4 LEAVES - 4 TRACKS

SECTIONS TOPAZE 20 MM

2 LEAVES - 2 TRACKS

Reinforced central mullions

Basic design

Rounded Design

Cyclone resistant

4 LEAVES - 2 TRACKS

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SECTIONS TOPAZE 20 MM

2 LEAVES - 2 TRACKS

Reinforced central mullions

Basic design

Rounded Design

Cyclone resistant

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SECTIONS TOPAZE 20 MM

2 LEAVES - 2 TRACKS

Reinforced central mullions

Basic design

Rounded Design

Cyclone resistant

4 LEAVES - 2 TRACKS

3 LEAVES - 3 TRACKS

4 LEAVES - 4 TRACKS
CONFIGURATIONS

TOPAZE+

2 TRACKS

2 leaves

3 leaves

4 leaves

3 TRACKS

3 leaves

6 leaves

FULL-ACCESS VERSION AND OUTER-FIXED FRAME

1 leaf monorail

2 leaves monorail

2 or 4 rails - 2 rails

TOPAZE 20 MM

2 TRACKS

2 leaves

3 leaves

4 leaves

3 TRACKS

3 or 6 leaves

4 TRACKS

4 or 8 leaves

COMPOSITE FRAMES

FULL-ACCESS VERSION

Full-access version, 1 leaf, monorail

2 or 4 tracks

INTEGRATION OF INFILLS FOR SHUTTERS

Integration of wall-mounted louvre infills, 1 leaf

Integration of wall-mounted louvre infills, 2 leaves
TOPAZE 20 MM


<table>
<thead>
<tr>
<th>Type</th>
<th>Dimensions W x H in m</th>
<th>Air permeability</th>
<th>Water tightness</th>
<th>Wind resistance</th>
<th>P.V. n°</th>
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<tbody>
<tr>
<td>Patio door, 2 cyclone resistant leaves 2.20 x 2.15 H</td>
<td>2.20 x 2.15</td>
<td>Class 3</td>
<td>Class 4A</td>
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<td>Class 5A</td>
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ACOUSTIC PERFORMANCE

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<thead>
<tr>
<th>Type</th>
<th>Glazing</th>
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<th>dB results</th>
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PERFORMANCES A.E.V. (Air, Eau, Vent)

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<thead>
<tr>
<th>Type</th>
<th>Dimensions W x H in m</th>
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<th>Water tightness</th>
<th>Wind resistance</th>
<th>P.V. n°</th>
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<th>RA, tr</th>
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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 EN AW 6060 according to standards EN 12020, EN 573-3, EN 515 and EN 775-1 to 9 alloys.
- Fittings are cast from EN 12844 compliant Zamak 5.
- EPDM or TPE gaskets (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;

- 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.