TOPAZ SLIDER
/SOBRIETY, SIMPLICITY
AND ADAPTABILITY

TOPAZ 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 SAFETYLINE louvres, integration with louvre or blade infills for ventilation or solar protection and the integration of mosquito screens.

TOPAZ GB 31, EXCEPTIONAL JOINERY

TOPAZ GB 31 offers solutions to specific market needs. Thanks to the combination of glazing up to 31 mm thick and rollers that are able to support leaves weighing up to 200 kg, TOPAZ GB 31 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 TOPAZ GB 31 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 slenderness of the mullions.

TOPAZ GB 24, EFFICIENCY AND SIMPLICITY

The TOPAZ GB 24 is a complete range of traditional sliding systems with 2 to 3 tracks for the construction of windows or patio doors supporting leaves weighing up to 140 kg, with glazing from 5 mm to 24 mm thick.
TOPAZE
/ CONTEMPORARY SLIDER

TOPAZE GB 24
* Straight version available

TOPAZE GB 31
* Rounded version available
KEY FEATURES AND INNOVATIONS

2 VERSIONS OF OPENING FRAMES

• 1 version up to 24 mm.
• 1 version up to 31 mm.

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.

AESTHETICS

• Choice of 2 types of opening frames for improved cohesion with architectural styles.

CLOSURE SYSTEMS

• TOPAZE GB 24 and TOPAZE GB 31:
  • 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 GB 31
  • Half moon handle (only on rounded mullions) with a single-action unlocking system for the easy manipulation of service leaves [Technal patent].
TOPAZE GB 31
/ CONTEMPORARY SLIDER
AND ADAPTABILITY

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 31 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.

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 TOPAZE GB 31
/ CONTEMPORARY SLIDER

PATIO DOOR, 2 LEAVES – 2 TRACKS
3 LEAVES - 3 TRACKS
SECTIONS TOPAZE GB 31
/ CONTEMPORARY SLIDER

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 GB 24
/ CONTEMPORARY SLIDER

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 24 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 SAFETYLINE louvres, integrated louvre or blade infills for ventilation or solar protection and integrated mosquito screens.
3 LEAVES - 3 TRACKS
APPLICATIONS

TOPAZE GB 31

2 TRACKS

2 leaves

3 leaves

4 leaves

FULL-ACCESS VERSION AND OUTER-FIXED FRAME

1 leaf monorail

2 leaves monorail

2 or 4 leaves • 2 tracks

3 TRACKS

3 leaves

6 leaves
TOPAZE GB 24

2 TRACKS

2 leaves

3 leaves

4 leaves

3 TRACKS

3 or 6 leaves

COMPOSITE FRAMES

FULL-ACCESS VERSION

Full-access version, 1 leaf, monorail

Full-access version, 2 leaves, monorail

2 or 4 tracks

INTEGRATION OF INFILLS FOR SHUTTERS

Integration of wall-mounted louver infills, 1 leaf

Integration of wall-mounted louver infills, 2 leaves
# PERFORMANCE

## TOPAZE GB 24

### WEATHER PERFORMANCE: A.E.V. (A: Air, E: Water, V: Wind)

<table>
<thead>
<tr>
<th>Type</th>
<th>Report no.</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patio door, 2 cyclone resistant leaves 2.20 x 2.15 H</td>
<td>E213.4.039</td>
<td>A3 E4A VA5</td>
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<td>Window, 2 cyclone resistant leaves 1.40 x 1.40 H</td>
<td>E213.4.262</td>
<td>A2 E7B VC5</td>
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<tr>
<td>Cyclone resistant door-closers, 3 leaves, 3 tracks 3.15 x 2.22 H</td>
<td>B225.4.032</td>
<td>A4 E7B VA5</td>
</tr>
<tr>
<td>Patio door, 4 leaves, 2 tracks 3.60 x 2.40 H</td>
<td>B222.8.014</td>
<td>A4 E5A VC3</td>
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<tr>
<td>Patio door, 2 leaves, 2 tracks 2.10 x 2.20 H</td>
<td>E213.2.264</td>
<td>A3 E5A VA2</td>
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- **A**: Air permeability EN 12207
- **E**: Water resistance EN 12208
- **V**: Wind resistance EN 12210

### ACOUSTIC PERFORMANCE

<table>
<thead>
<tr>
<th>Type</th>
<th>Glazing</th>
<th>Test report number</th>
<th>dB results</th>
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<td>RA, tr</td>
<td>RA</td>
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<td>Outer frame with drainage</td>
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<td>28</td>
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<tr>
<td>Outer frame</td>
<td>35-20 4/6/10</td>
<td>624281</td>
<td>33</td>
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<tr>
<td>Outer frame Sliding gasket + beading</td>
<td>35-20 4/6/10</td>
<td>624776</td>
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Tested in accordance with standards NF - 531-051 - EN ISO 140 - EN ISO 177 - 2-leaf window H = 1480 x W = 1470

## TOPAZE GB 31

### WEATHER PERFORMANCE: A.E.V. (A: Air, E: Water, V: Wind)

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<tr>
<td>Patio door, 2 leaves H = 2.15 - W = 1.80</td>
<td>E223-01-024</td>
<td>A3 EA7 VC3</td>
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</tbody>
</table>

- **A**: Air permeability EN 12207
- **E**: Water resistance EN 12208
- **V**: Wind resistance EN 12210

### ACOUSTIC PERFORMANCE

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<td>Standard outer frame</td>
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Tested in accordance with French and European standards NF531-051 - EN/ISO 140 - EN/ISO 717 - 2-leaf window H = 1480 x W = 1470
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 - T6 or EN AW 6063 - T6 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:
- Natural anodised in accordance with EN 12373: 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.