

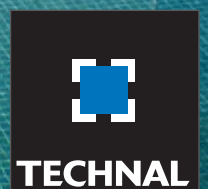
TOPAZE

CONTEMPORARY
SLIDER



Architect: Bruno Marques
Photographer: AFFP Filipe Pombo

IMAGINE WHAT'S NEXT





Architects: Lacaton & Vassal Architectes Associés
Photographer: Philippe Ruault



TOPAZE SLIDER

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

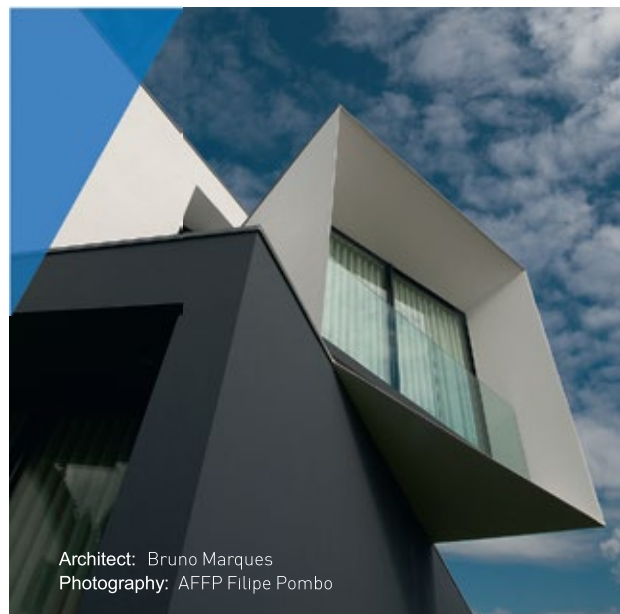
TOPAZE GB 31, EXCEPTIONAL JOINERY

TOPAZE 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, TOPAZE 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 TOPAZE 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.

TOPAZE GB 24, EFFICIENCY AND SIMPLICITY

The TOPAZE 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.



Architect: Bruno Marques
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TOPAZE

/ CONTEMPORARY SLIDER

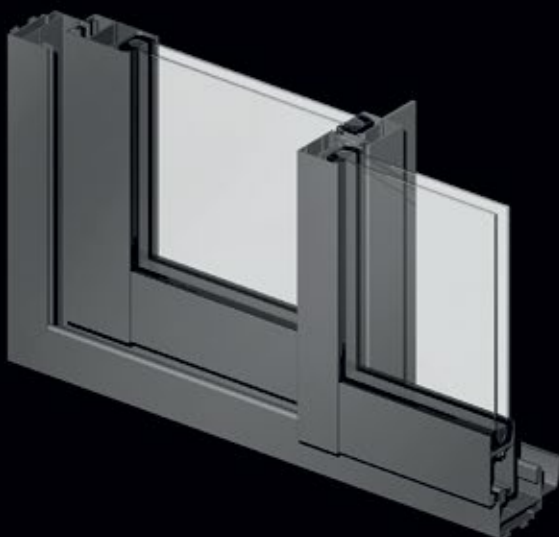
TOPAZE GB 24

* 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

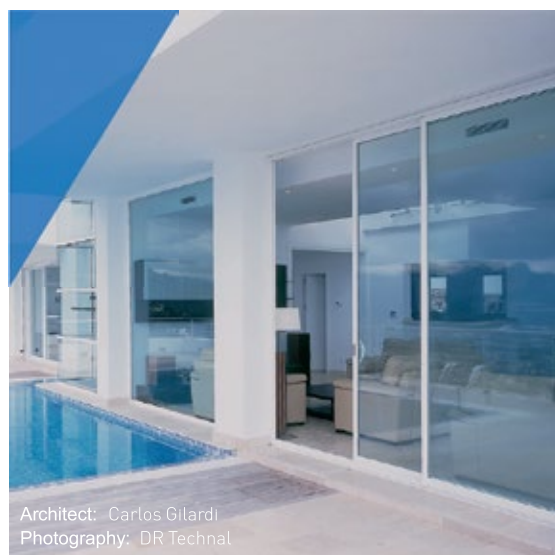
- TOPAZE GB 24 and TOPAZE GB 31:
 - Single or double recessed handle with a lock and automatic closure system (window).
 - Multipoint closure systems (3 or 4 points) with handle and lock for enhanced security.
 - Recessed pull handle.
- TOPAZE GB 31
 - Half moon handle (only on rounded mullions) with 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.



Architect: Carlos Gilardi
Photography: DR Technal

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.



Recessed handle for
multi-point closure
systems



Single recessed handle

STRAIGHT DESIGN

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

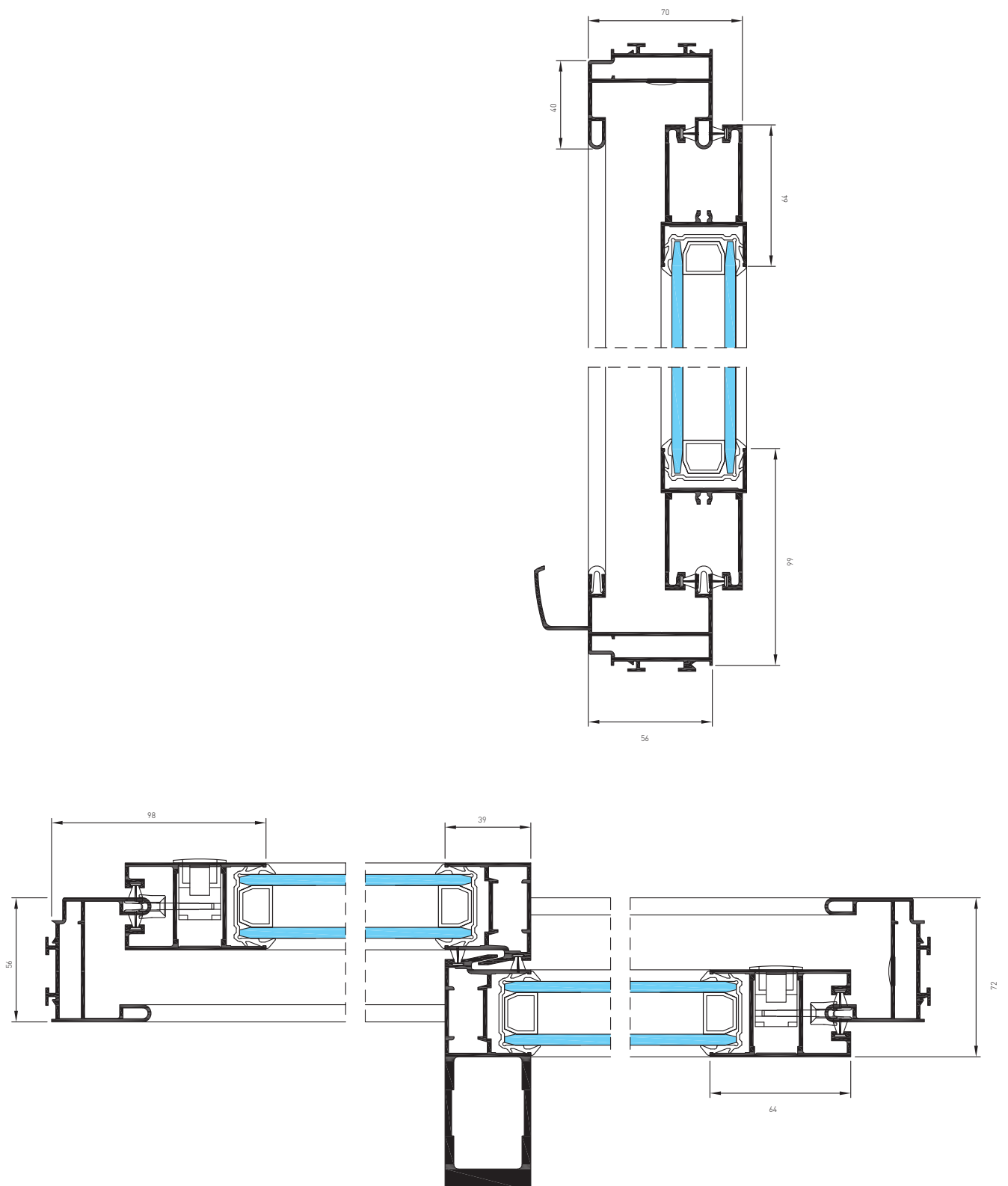
ROUNDED DESIGN

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

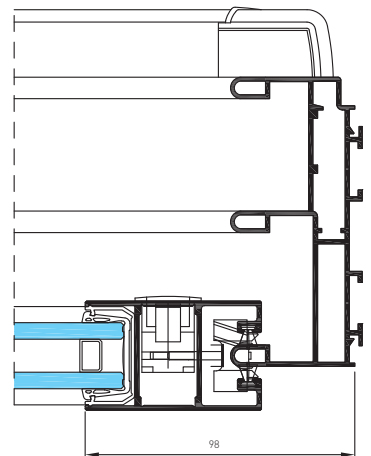
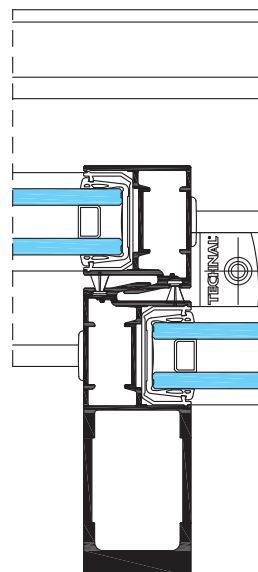
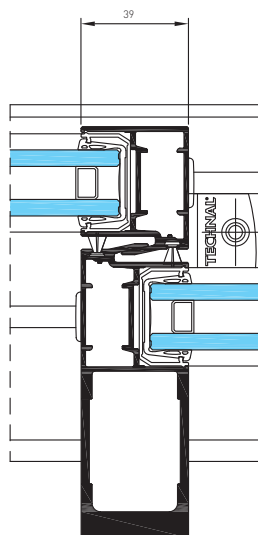
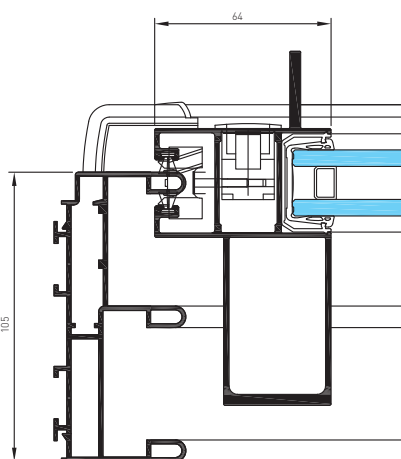
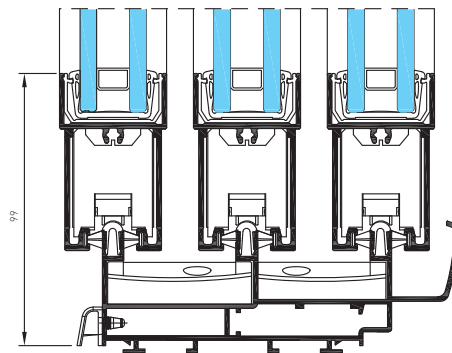
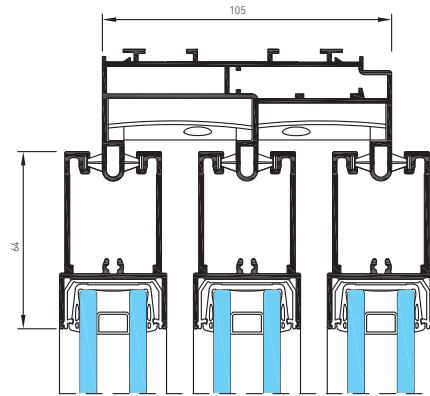
SECTIONS TOPAZE GB 31

/ CONTEMPORARY SLIDER

PATIO DOOR, 2 LEAVES - 2 TRACKS



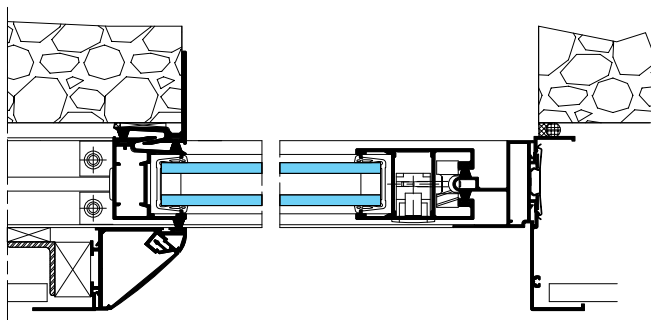
3 LEAVES - 3 TRACKS



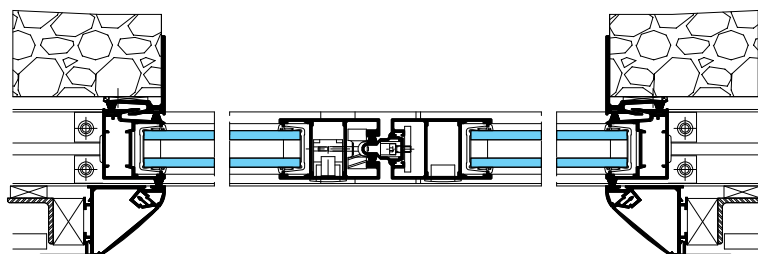
SECTIONS TOPAZE GB 31

/ CONTEMPORARY SLIDER

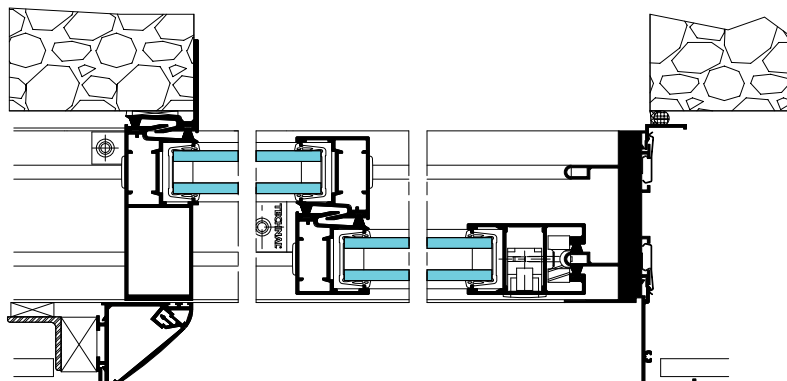
FULL-ACCESS VERSION - MONORAIL - 1 LEAF



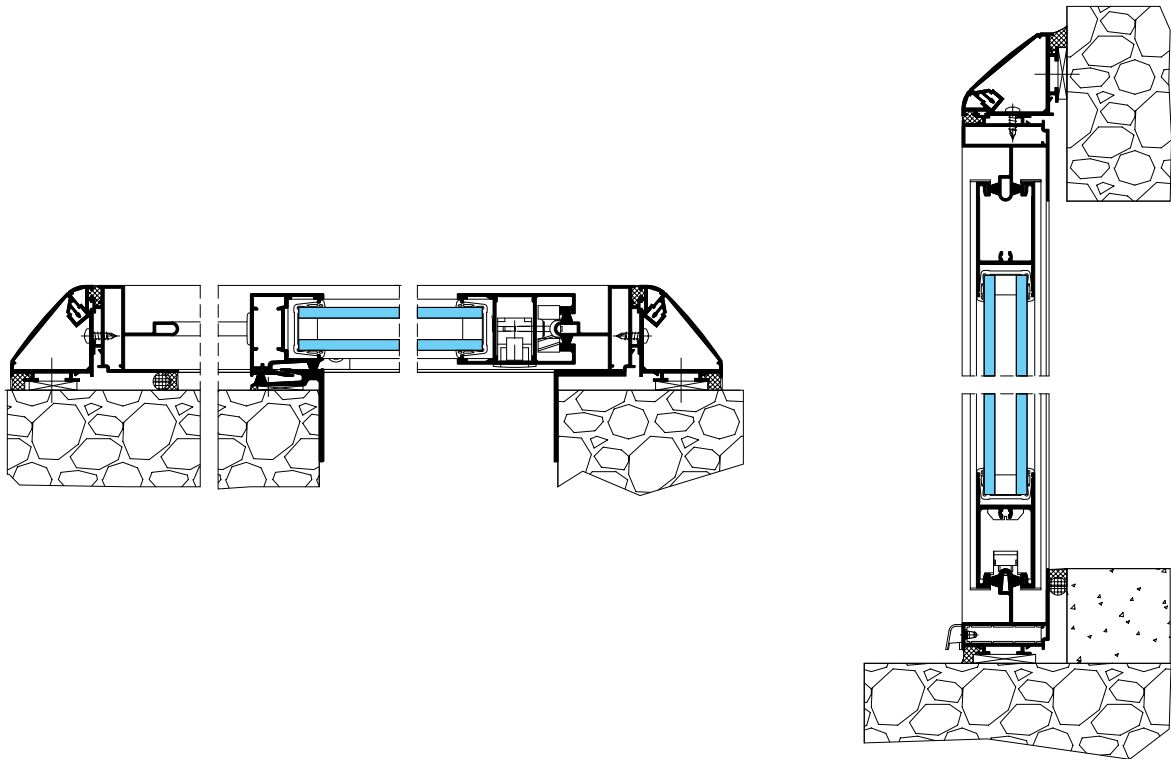
FULL-ACCESS VERSION - MONORAIL - 2 LEAVES CENTRAL PERCUSSION



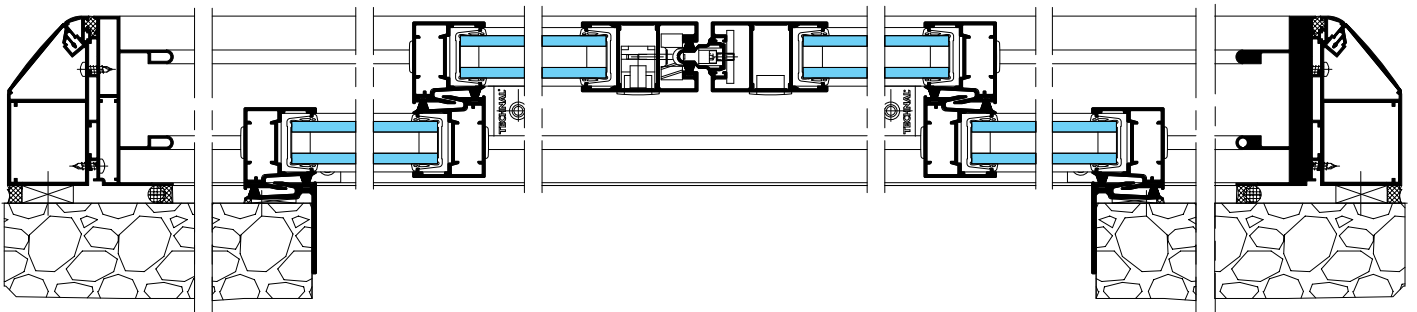
FULL-ACCESS VERSION - 2 RAILS - 2 LEAVES



OUTER-FIXED FRAME - MONORAIL



OUTER-FIXED FRAME - 2 RAILS - 4 LEAVES

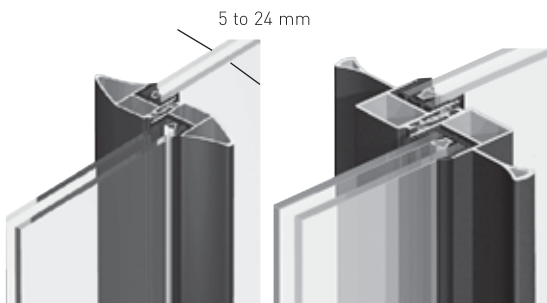


TOPAZE GB 24

/ 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.



Reinforced central mullions



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).



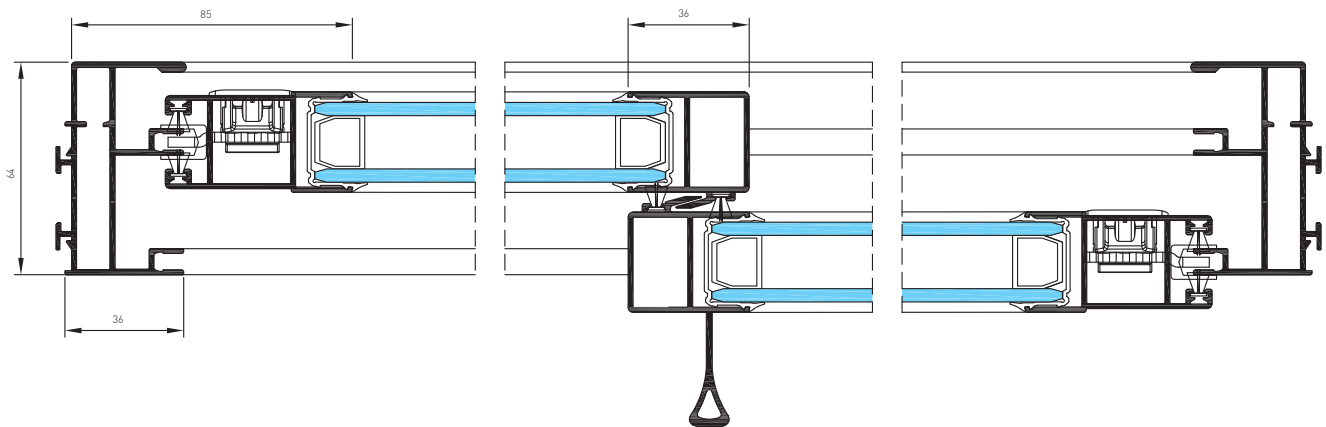
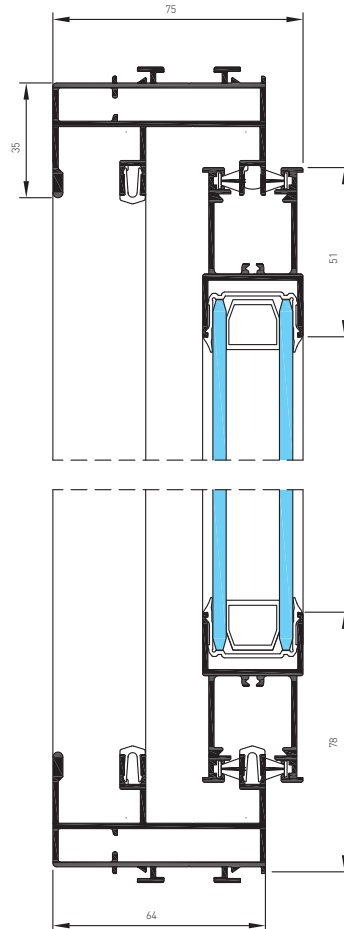
SUITABLE FOR TROPICAL ZONES

- 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.

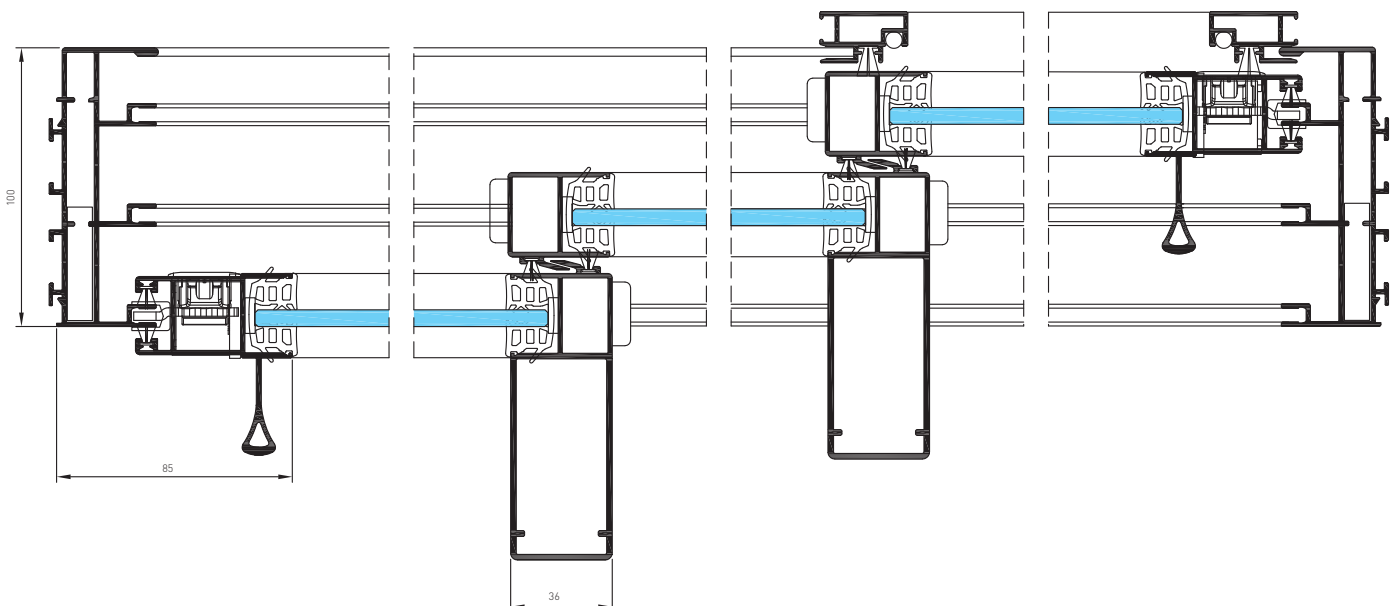
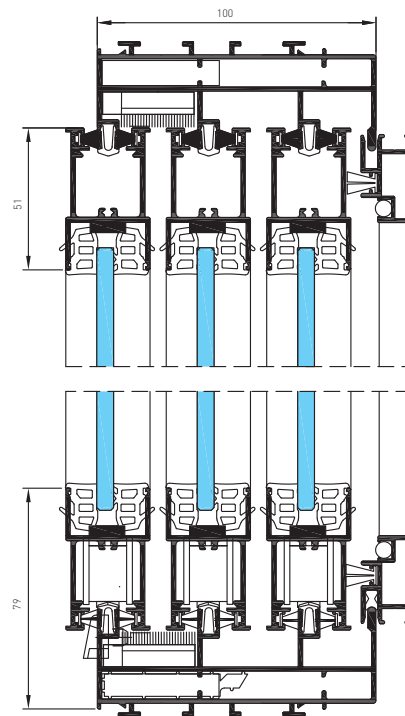
SECTIONS TOPAZE GB 24

/ CONTEMPORARY SLIDER

2 LEAVES - 2 TRACKS



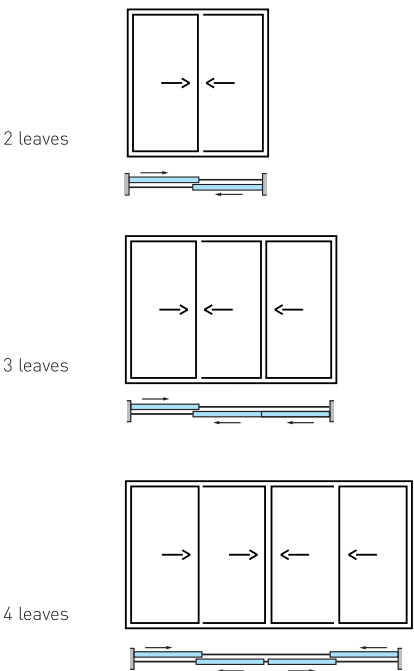
3 LEAVES - 3 TRACKS



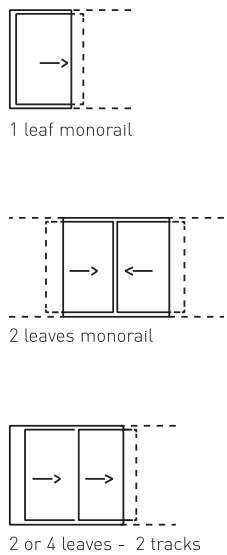
APPLICATIONS

TOPAZE GB 31

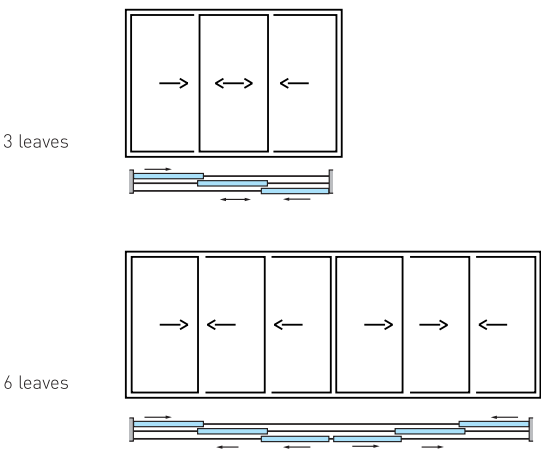
2 TRACKS



FULL-ACCESS VERSION AND OUTER-FIXED FRAME

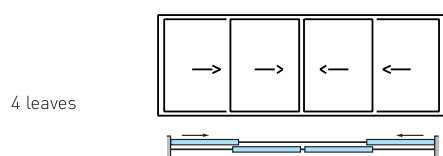
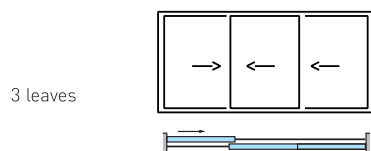
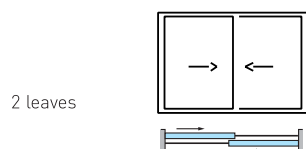


3 TRACKS

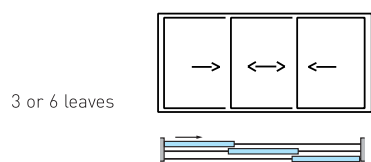


TOPAZE GB 24

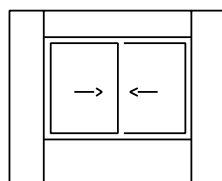
2 TRACKS



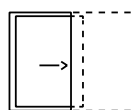
3 TRACKS



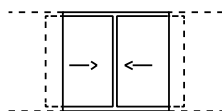
COMPOSITE FRAMES



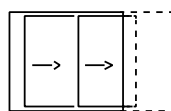
FULL-ACCESS VERSION



Full-access version, 1 leaf, monorail

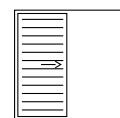


Full-access version, 2 leaves, monorail

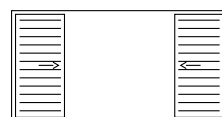


2 or 4 tracks

INTEGRATION OF INFILLS FOR SHUTTERS



Integration of wall-mounted louvre infills, 1 leaf



Integration of wall-mounted louvre infills, 2 leaves

PERFORMANCE

TOPAZE GB 24

WEATHER PERFORMANCE: A.E.V. (A: Air, E: Water, V: Wind)		
Type	Report no.	Classification
Patio door, 2 cyclone resistant leaves 2.20 x 2.15 H	E213.4.039	A3 E4A VA5
Window, 2 cyclone resistant leaves 1.40 x 1.40 H	E213.4.262	A2 E7B VC5
Cyclone resistant door-closers, 3 leaves, 3 tracks 3.15 x 2.22 H	B225.4.032	A4 E7B VA5
Patio door, 4 leaves, 2 tracks 3.60 x 2.40 H	B222.8.014	A4 E5A VC3
Patio door, 2 leaves, 2 tracks 2.10 x 2.20 H	E213.2.264	A3 E5A VA2

Air, Water, Wind

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

ACOUSTIC PERFORMANCE					
Type	Glazing	Test report number	dB results		
			RA, tr	RA	RW
Outer frame with drainage	Climalit 4/12/4	624475	28	28	29
Outer frame	35-20 4/6/10	624281	33	35	35
Outer frame Sliding gasket + beading	35-20 4/6/10	624776	35	36	36

Tested in accordance with standards NF - S31-051 - 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)		
Type	Report no.	Classification
Patio door, 2 leaves H = 2.15 - W = 1.80	E223-01-024	A3 EA7 VC3

Air, Water, Wind

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

ACOUSTIC PERFORMANCE					
Type	Glazing	Report no.	dB results		
			RA, tr	RA	RW
Standard outer frame	38 - 23	625329	33	32	33
Standard outer frame	35 - 20	625331	33	31	33
Standard outer frame	4.12.4	625328	31	29	31
Standard outer frame	4.12.4	625330	31	29	31

Tested in accordance with French and European standards NFS31-051 - EN ISO 140 - EN ISO 717 - 2-leaf window H = 1480 x W = 1470



Architects: Guillaume Koffi and Issa Diabaté [Koffi et Diabaté Architectes]
Photography: DR Technal

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 - T66 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 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).



IMAGINE WHAT'S NEXT

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