GALÈNE
PANORAMIC SLIDING WINDOW

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Photographer: Ambassador
GALÈNE
/ AN XXL SLIDER

GENEROUSLY-SIZED OPENINGS TO MEET YOUR PROJECT’S REQUIREMENTS

GALÈNE is a 126 mm module thermal break patio door featuring a lift and slide system and whose design has been optimised for use in large openings up to 10 m wide.

EASY OF MOVEMENT

The lift and slide mechanism allows the guiding wheels to retract when the leaf is closed. This roller track system ensures smooth movement and easy operation despite the exceptional size of the leaves. The design of the pull handle allows for excellent grip.

A version without a thermal break is also available using the same configurations for geographical areas that do not have the same thermal constraints.
GALÈNE / PANORAMIC SLIDING WINDOW

KEY FEATURES AND INNOVATIONS

LARGE DIMENSIONS

- Designed for the creation of openings with large dimensions for more natural light.
- Dimensions up to 5.00 m x 2.5 m in frames with two leaves with a maximum weight of 300 kg per leaf.

ACOUSTIC PERFORMANCE

- In urban environments, road noise corresponds to an average level of 60 decibels.
- Thanks to these glazed infills, Galène is able to dramatically reduce urban noise.

ACCESSIBILITY AND EASE OF USE

- A lifting system ensures that the large leaves are easy to move and slide smoothly.
- A handle offering a good grip and ease of movement.

LOCKING MECHANISMS

- 2-, 3- or 4-point locking systems activated by a special handle (single or double).
- Half-open position provides ventilation whilst ensuring that the frame is still secure.
• Symmetrical glazed infills thanks to a mitre-cut peripheral opening frame.
• Technical glazing combining high levels of thermal, acoustic and security performance.
• Possibility of glazing with an integrated blind for solar protection.

The lift and slide system facilitates the safe movement of the leaves which may each weigh up to 300 kg and measure up to 2.50 metres high by 2.50 metres wide.

Security can be reinforced by the implementation of a multipoint locking system activated by a specially-designed handle. In all cases, this remains very easy to use, thanks, in particular, to the well-designed profile combined with the high leverage. The operation of the GALÈNE slider has received level 4 classification in accordance with the standard EN 1191:2001, following 20,000 opening and closing test cycles.
SECTIONS

2 LEAVES - 2 TRACKS

3 LEAVES - 2 TRACKS

1 LEAF + 1 LIGHT - 2 TRACKS

4 LEAVES - 2 TRACKS

2 TRACKS

4 LEAVES + 2 SIDE LIGHTS - 2 TRACKS
SECTIONS

2 LEAVES (90°)
SECTIONS

3 LEAVES - 3 TRACKS

6 LEAVES - 2 SIDE LIGHTS - 3 TRACKS

3 LEAVES - 1 SIDE LIGHT - 3 TRACKS

3 LEAVES - 3 TRACKS
SECTIONS

POCKET WINDOWS

1 LEAF - 1 TRACK

2-LEAF - 1 TRACK

POCKET WINDOWS

1 TRACK
APPLICATIONS

2 TRACKS

- 2 leaves
- 2 leaves with side fixed light
- 3 leaves with central fixed light
- 3 leaves
- 6 leaves with 2 side fixed lights
- 4 leaves

3 TRACKS

- 3 leaves
- 3 leaves with side fixed light
- 6 leaves
- 6 leaves with 2 side fixed lights
- 4 leaves

POCKET WINDOW FRAME

1 TRACK

- 1 leaf with a single track
- 2 leaves with a single track

PERFORMANCE

Thermal performance

<table>
<thead>
<tr>
<th>Type</th>
<th>Dimensions W x H in m</th>
<th>Uw with Ug 1.0 + Insulating spacer</th>
<th>Uw with Ug 1.1 + Insulating spacer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patio door with 2 leaves on 2 tracks</td>
<td>5 x 2.5</td>
<td>1.6</td>
<td>1.7</td>
</tr>
<tr>
<td>Patio door with 4 leaves on 2 tracks</td>
<td>6.5 x 2.5</td>
<td>1.7</td>
<td>1.7</td>
</tr>
<tr>
<td>Patio door with 3 leaves on 3 tracks</td>
<td>6.5 x 2.5</td>
<td>1.6</td>
<td>1.7</td>
</tr>
</tbody>
</table>

Performance - Solar factor

<table>
<thead>
<tr>
<th>Type</th>
<th>Dimensions W x H in m</th>
<th>Absorption depending on colours SW Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sg solar factor of the glazing only 0.7</td>
<td></td>
<td>Light colours 0.4</td>
</tr>
<tr>
<td>Light colours 0.4</td>
<td>Class 4</td>
<td>Dark colours 1.0</td>
</tr>
<tr>
<td>Dark colours 1.0</td>
<td>Class 7A</td>
<td></td>
</tr>
<tr>
<td>Patio door with 2 leaves on 2 tracks</td>
<td>5 x 2.5</td>
<td>0.59</td>
</tr>
<tr>
<td>Patio door with 4 leaves on 2 tracks</td>
<td>6.5 x 2.5</td>
<td>0.58</td>
</tr>
<tr>
<td>Patio door with 3 leaves on 3 tracks</td>
<td>6.5 x 2.5</td>
<td>0.59</td>
</tr>
</tbody>
</table>

Technical performance - Light transmission

<table>
<thead>
<tr>
<th>Type</th>
<th>Dimensions W x H in m</th>
<th>TLw light transmission of the window</th>
</tr>
</thead>
<tbody>
<tr>
<td>TLg light transmission of the glazing only 0.8</td>
<td></td>
<td>Light colours 0.8</td>
</tr>
<tr>
<td>Light colours 0.8</td>
<td>Class 4</td>
<td>Wind resistance 0.8</td>
</tr>
<tr>
<td>Wind resistance 0.8</td>
<td>Class 7A</td>
<td></td>
</tr>
<tr>
<td>Patio door with 2 leaves on 2 tracks</td>
<td>5 x 2.5</td>
<td>0.66</td>
</tr>
<tr>
<td>Patio door with 4 leaves on 2 tracks</td>
<td>6.5 x 2.5</td>
<td>0.64</td>
</tr>
<tr>
<td>Patio door with 3 leaves on 3 tracks</td>
<td>6.5 x 2.5</td>
<td>0.66</td>
</tr>
</tbody>
</table>


<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>
</tr>
</thead>
<tbody>
<tr>
<td>Patio door with 2 leaves on 2 tracks</td>
<td>3 x 2.2</td>
<td>Class 4</td>
<td>Class 7A</td>
<td>Class C3</td>
</tr>
<tr>
<td>Patio door with 4 leaves on 2 tracks</td>
<td>3 x 2.2</td>
<td>Class 3</td>
<td>Class 5A</td>
<td>Class C6</td>
</tr>
<tr>
<td>Patio door with 3 leaves on 3 tracks</td>
<td>3.76 x 2.5</td>
<td>Class 3</td>
<td>Class 5A</td>
<td>Class C2</td>
</tr>
</tbody>
</table>
MATERIALS AND PARTS
As with all Technal systems, only the highest quality materials and components are used to minimise maintenance and ensure long-term performance.
- 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 gaskets are EPDM or TPE (Thermoplastic elastomer).
- Polyamide thermal breaks are extruded from PA6-6 (0.25 PV).
- 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".
- GALENE is also available in lacquered finishes with exclusive Technal colours for a stylish and contemporary look.