Bloomframe®
Creating different living spaces
Bloomframe®
New buildings and renovation work

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Bloomframe®
Interactive balcony window
for both new building and renovation work.

Architectural concept
Main applications: individual dwellings and apartments, hotels, commercial buildings and public buildings.

Highlights
• 3 models: L, XL, XXL.
• Fixed overall height of the aluminium frame: 2,360 mm.
• Variable overall width of the aluminium joinery:
  1,700 mm – 2,300 mm – 3,000 mm.
• Guard rail height: 1,220 mm.
• Balcony available depth: 1,080 mm.
• Window aperture in two horizontal, hinged parts.
• Opening/closing control interface and touch screen.
• Partial (ventilation) or total (balcony/patio function) motorised opening outwards.
• Double glazing on the upper horizontal part greater than 33.8 mm (up to 47.5 mm on request).
• High resistance double glazing on the lower part (56.28 mm)
• Customisable interior trim and lateral guard rails with solid colours.
• Anti-corrosion surface treatments.
• Motorised locking and unlocking (4 point locks + 2 stop points).
• Optional safety functions: anemometer, temperature sensor.
• Optional comfort functions: spotlights, lower horizontal panel glazing colored/opaque (on request).
• 220V/50 Hz and 110V/60 Hz power supply.
• Acoustic comfort: up to 38dB RA,tr.
• Tested over 20,000 opening/closing cycles.
• Accessibility: compliant with P.R.M.* standard
• Tunnel and face mounted installation.

*Tperson with Reduced Mobility.
Interactive balcony window.
Opening/closing cycles.

1 Closed position
2 Ventilation position
3 Intermediate position
4 Intermediate position
5 Intermediate position
6 Balcony/patio position

- Max. installed weight of a Bloomframe®: 670 kg.
- Opening and closing times: 55 seconds.

<table>
<thead>
<tr>
<th>Model/dimension</th>
<th>H height*</th>
<th>W Width*</th>
<th>D Depth*</th>
<th>h height of guard rail*</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>2 360</td>
<td>1 700</td>
<td>1 100</td>
<td>1.220</td>
</tr>
<tr>
<td>XL</td>
<td>2 360</td>
<td>2 300</td>
<td>1 100</td>
<td>1.220</td>
</tr>
<tr>
<td>XXL</td>
<td>2 360</td>
<td>3 000</td>
<td>1 100</td>
<td>1.220</td>
</tr>
</tbody>
</table>

* Outsided view of aluminium
- Mechanism opening/closing
- Aluminium slats closing the sides of the balcony
- Safety arm + chain for opening and closing
Min./max. glazing thickness

<table>
<thead>
<tr>
<th>Glazing</th>
<th>Type</th>
<th>Min. thickness</th>
<th>Max. thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower panel</td>
<td>Double</td>
<td>56,28 mm</td>
<td>56,28 mm</td>
</tr>
<tr>
<td>Upper panel</td>
<td>Double</td>
<td>33,8 mm</td>
<td>47,5 mm</td>
</tr>
</tbody>
</table>

Energy, weathering, acoustic, mechanical and electrical performances

<table>
<thead>
<tr>
<th>Tests</th>
<th>Performances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weathering</td>
<td>A<em>4 E</em>8A V*C3</td>
</tr>
<tr>
<td>Uw</td>
<td>Up to 1.4 W/m²K (Ug = 1.0)</td>
</tr>
<tr>
<td>Acoustic</td>
<td>38 dB Ratr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tests</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endurance</td>
<td>20,000 opening/closing cycles</td>
</tr>
<tr>
<td>Maximum floor load</td>
<td>350 kg/m²</td>
</tr>
<tr>
<td>Magnetic field resistance</td>
<td>Compliant with European and American electromagnetic standards (EN/F)</td>
</tr>
</tbody>
</table>

Additional testing

- Impact with hard body and soft body on closed window and open balcony.
- Window casement free fall.
- Door threshold sealing test.
- CE conformity of the machine function in accordance with:
  - Machines Directive 2006/42/CE
  - Low Voltage Directive 2006/95/CE
  - EMC Directive 2004/108/CE
Additional functions
Bloomframe® interactive balcony window can also be provided with additional options:

• **Tactile interface for control and instructions**
  - Opening/closing
  - User information
  - Maintenance management
Manual opening and closing system in the event of power failure

• **Anemometer and support:**
  To perfectly manage opening and closing of Bloomframe® in relation to wind speed.

• **Presence detector:**
  - As an additional security feature to the two-hand hold-down safety switch,
  - Blocks opening/closing of the window when an obstacle is detected.

• **3 spotlights:**
  Ambient lighting to take advantage of Bloomframe® during the night.

• **Temperature sensor:**
  Holds back opening of Bloomframe® if the outside temperature is higher or lower than the set limit
There are three options for the lower panel (floor):

**Transparency + transparency (floor)**

**Transparency + sandblasted glazing (floor)**

**Transparency + colored glazing (floor)**
see options on p.15

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Glazing compliant with the standards for protection of property and people. EN12600 & EN356.
Integral
All RAL color schemes.

Textural
A pronounced grain to capture the light under all its colors.

Textural Evolution

Pictural
A sanded touch combined with an elegant color palette.

Anodised

Other colours
May be available
- please enquire

Bloomframe®