Features

Profiles for the construction of façades include a wide choice of mullions and transoms.

The transoms are fixed to the mullions directly by screws, or by transom connector blocks without any machining. The system provides the choice between frontal and progressive installation/semi-unitized.

Transom connector block fixed transoms are drained through holes in pressure plates and cappings, whereas the direct screw-fixed transoms are drained through the mullions (cascade drainage).

The variety and range of its aesthetic variations allow the system to suit any architectural requirement, the dimensions of modules, range of inertia of profiles make the system to adapt to any technical constraints or requirement.

The technical solutions and options of the system reduce fabrication and installation time, while guaranteeing top performance and quality.

Insulation & Weatherproofing

- Glazing up to 49 mm.
- High thermal efficiency thanks to an extruded polyethylene foam spacer (min. Uf 0.9 W/Km²).

Technical

- Mullions and transoms have been designed to be easily reinforced with standard steel profiles.
- Half mullions for expansion joints or adjustable angles.
- The system is designed for skylights.

Look

- Various models of cover caps.
- 90° salient angle post.
- Harmonious integration of concealed opening window profile.
- Segmented façades are possible.

Standards

- Complying with RT2012 and LEB regulations.
- CE marking of façade according to EN 13830 standard.
- Technical validation by SGS ETA.

Fabrication & Fitting

- Screw-fixed or junction-block fixed transoms. No mullion machining required.
- Progressive or frontal fitting.
Curtain Wall Façade

Grid

Typical Sections

Performances

<table>
<thead>
<tr>
<th>A E V (Air - Water - Wind) as per EN 13830</th>
<th>Shock Resistance</th>
<th>THERMAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>A E V (Air - Water - Wind) as per EN 13830</td>
<td>24</td>
<td>3</td>
</tr>
<tr>
<td>THERMAL</td>
<td>30</td>
<td>0.9</td>
</tr>
<tr>
<td>Inside</td>
<td>Outside</td>
<td></td>
</tr>
<tr>
<td>R'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R'</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Performance

<table>
<thead>
<tr>
<th>Thermal</th>
<th>UW (W/m²K)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>1.8</td>
</tr>
</tbody>
</table>

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Curtain Wall Façade

- Typical Sections

Vertical section A-A

- Performances

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>U-value (W/m²K)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>1.8</td>
</tr>
</tbody>
</table>
**Features**

This façade system accepts glazing up to 49 mm. Possibility to fit in a concealed SSIG Italian window, concealed SSIG tilt-and-turn window, in- or outward opening fire-brigade access window, and all the frame types of the Espace® 70 TH et Comète® 70 TH ranges.

In order to comply with the RT2012 standard, it is possible to increase the thermal efficiency by adding an extruded polyethylene foam spacer to achieve a minimum U of 0.9 W/K.m².

The VEC bonding technique is sanctioned by an SSIGS ETA in compliance with the current standards.

The initial type tests have been carried out with an Italian window, thus authorizing the CE marking of the complete façade.

The thermal performance of this type of window corresponds perfectly to the overall performance of the façade, thus complying with the LBE and HPE/HPF RT2012 requirements.

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**Pluses**

**Fabrication & Fitting**

**Assembly**

- Crimp or screw corner cleats.

**Fitting**

- From inside or from outside.
- Template for perfect fitting of the window into the façade.

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**Building Façades - Univers®**
**Features**

The presence of totally concealed fire-brigade access windows doesn't affect the outside look of the façade, since their visible area is equal to the area of the fixed parts. The result is a smooth and homogeneous looking façade.

Accepted glazing 24 mm.

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**Pluses**

**Product**

- **Insulation & Weatherproofing**
  - Glazing 24 mm
  - Triple tightness barrier

- **Technical**
  - Adjustable hinges
  - 3-point lock

- **Look**
  - Square look
  - Customized handle possible

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**Typical Sections**

Vertical section C-C with fire-brigade access

Horizontal section D-D with fire-brigade access
Features

The presence of concealed Italian windows respects the outside look of the façade: their visible area is equal to the area of the fixed parts, resulting in a smooth and homogeneous looking façade.

Accepted glazing from 24 up to 32 mm. Possibility of 3 sets of fittings of different sizes corresponding to a wide span of frame dimensions and weights.

Insulation & Weatherproofing

- Glazing from 24 up to 32 mm.
- Triple tightness barrier.
- Thermal performance Uf: 1.9.

Technical

- 3 sets of fittings.
- Maximum height 2000 mm.

Look

- The rounded line goes unbroken from the fixed to the opening profile.
- Customized handle possible.

Typical Sections

Vertical section C-C with Italian window

Horizontal section D-D with Italian window

Performances

<table>
<thead>
<tr>
<th>A.H. (m²)</th>
<th>Int. Heat Loss Uf (W/m²K)</th>
<th>Int. Heat Loss Uw (W/m²K)</th>
<th>Int. Heat Loss Uf (W/m²K)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>1.9</td>
<td>1.9</td>
<td>1.9</td>
</tr>
</tbody>
</table>
**Features**

The presence of concealed windows doesn’t affect the outside look of the façade, since their visible area is equal to the area of the fixed parts. These windows are either casement or tilt-and-turn type. The hinges are concealed. Accepted glazing of 32 mm.

**Pluses**

- Insulation & Weatherproofing
  - Glazing 32 mm
  - Triple tightness barrier with vulcanized gasket frame

- Technical
  - Concealed hinges
  - Maximum height 2400 mm, maximum width 1500 mm

- Look
  - 2 models of operable frames: square and beveled
  - Customized handles possible

**Typical Sections**

- Vertical section C-C with concealed window
- Horizontal section D-D with concealed window