TIMBER CURTAIN WALL SYSTEM

HARMAN FENSTERBAU
BUILT FOR GENERATIONS
TIMBER CURTAIN WALL SYSTEM

System Gutmann Lara GF is a facade system for large-area glazing in mullion-transom construction.

The design width (standard variant) is fixed to 50 mm and can be screwed onto any wooden constructions. Should wider views be required, 60 and 80 mm profiles are available.
TIMBER CURTAIN WALL SYSTEM

ADVANTAGES

• Production of large-area formats
• Integration of window and door units
• Execution as cross-story possible
• Load transfer possible in intermediate floors
• Glazing generally from the outside
• Variable wood cross sections, depending on the static requirements

The size is fixed for vertical façades up to 6 m height, maximum two story.

The glazing is basically done by means of dry glazing pressure profiles (basic profiles) from the outside. The base profile is screwed onto the load-bearing timber construction and thus creates a reliable connection between the substructure and the glazing system.

Easy assembly thanks to Twinloc connectors, which are already preassembled and have a building approval for mullion and transom façades.

The posts and beams are completely pre-assembled, all seals and connections are ready for assembly.

<table>
<thead>
<tr>
<th>Maximum System Height</th>
<th>Single Vertical Span: 20 Feet</th>
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</thead>
<tbody>
<tr>
<td>Maximum System Width</td>
<td>Unlimited</td>
</tr>
<tr>
<td>System Depth (Horizontal &amp; Vertical Depths may vary)</td>
<td>Vertical: Calculated per system, based on region, wind load &amp; structural criteria. Horizontal: Varies (min. 68mm - 2 3/8&quot;)</td>
</tr>
<tr>
<td>Exterior Cover Cap Options</td>
<td>Extruded aluminum profiles, powder coated, custom-color on choice regarding RAL color chart</td>
</tr>
<tr>
<td>Venting Unit Options</td>
<td>Any Wood/Wood-Alu-Clad window or door unit (in-swing and Lift-and-Slide)</td>
</tr>
</tbody>
</table>

THERMAL INSULATION

- $U_{m,t}$ Double$^1$ 1.4
- $U_{m,t}$ Triple$^2$ 94
- $U_{cw}$ Double$^3$ 1.2
- $U_{cw}$ Triple$^4$ 0.75

1. Restraining thickness: 28 mm with screw
2. Restraining thickness: 48 mm with screw
3. $U_g$ value: 1.0 W/m²K; Glass spacer: Thermix TX.N plus
4. $U_g$ value: 0.6 W/m²K; Glass spacer: Swisspacer Ultimate
The above detail represents a sample Curtain Wall System jamb condition.

Additional options are available, and may be determined by site conditions, structural requirements and local buildings codes. Fasteners and waterproofing membranes by others required.
**VERTICAL WALL SECTION/ HEAD**

The above detail represents a sample Curtain Wall System jamb condition.

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**VERTICAL WALL SECTION / SILL**

The above detail represents a sample Curtain Wall System sill condition installed off-set on the slab.

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VERTICAL WALL SECTION / SILL

The above detail shows the vertical post profiles with standard 16mm aluminium cover caps. The depth (D1) of the interior wood component varies according to structural requirements (2 5/8” min.), and can differ between the vertical and horizontal mullion.

POST PROFILE / VERTICAL
The above detail shows the horizontal beam profiles with standard 12mm aluminium cover caps.

The depth (D1) of the interior wood component varies according to structural requirements (2 5/8’’ min.), and can differ between the vertical and horizontal mullion.