The triple or quadruple U-channel glass systems are suitable for glass facades with high requirements for thermal insulation and large window heights over 3 - 3.5 m, where the dual single glazing of the system Ug 0.8 is not usable.

A triple glazed U-profile glass structure with an external double glazing improves the structural stability of the Ug 0.8 system and may be necessary when planning with higher wind loads or longer glass panes.

For a ball-proof sports hall glazing, a triple glazed construction with an inner double glazing is used. The double glazing unit generates enough stability to be ball-proof.

A quadruple glazed U-profile glass construction is used in sports halls, if the requirements of statics and/or wind load require double glazing on the outside, and ball-proof safety requires double glazing on the inside.

Installation: See installation instructions

Tender text for download under: www.wacotech.de, products profiled glass

Technical data
for TIMax® GL-PlusF as insert in a triple glazed U-profiled glass facade

<table>
<thead>
<tr>
<th>Glass type + frame system</th>
<th>insulating insert</th>
<th>Ug-value [W/m²K]</th>
<th>g-value direct</th>
<th>light transm. τ direct</th>
<th>noise red. Rw [dB]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside double-glazed profiled glass type 262/60/7 and inside single-glazed profiled glass, two separate frames with 10mm Styrodur liner.</td>
<td>one layer TIMax® GL-PlusF</td>
<td>0.87**, 0.97***</td>
<td>0.24*</td>
<td>0.24*</td>
<td>&gt;53*</td>
</tr>
</tbody>
</table>

* measured values, test certificate available
** test certificate from Glasfabrik Lamberts, with a low-e coating on the inner shell
*** test certificate from Wacotech, without low-e coating on the inner shell