

---

## Disclaimer:

These programs are used for the approximate determination of technical parameters. The results of these pre-dimensionings do not replace the required detailed planning and do not constitute proof of compliance with building regulations. The calculated value is for planning purposes; it applies to Schüco mullion and transom constructions, as shown in the Schüco design drawings. The exact determination of the assessed sound reduction index  $R_w$  can only be carried out by means of a test rig measurement. The exclusive rights of use are owned by Schüco International KG.

1. Facade Information

Profile System:

Facade major mullion:

Facade minor mullion:

Facade transom:

Insulating glass

Glass ID	Makeup
----------	--------

[1] **EN 13830:2015**, Curtain walling - Product standard.

[2] **DIN 4109-35:2016**, Sound insulation in buildings – Part 35: Data for verification of sound insulation(component catalogue) – Elements, windows, doors, curtain walling.

In accordance with the ift RESEARCH REPORT (March 2017) "Developing a component catalogue for determining airborne sound insulation as well as flanking sound insulation of curtain walling" by ift Rosenheim, an area-based energy calculation of  $R_{w,res}$  has been carried out for the user defined window unit.

The following are taken into account: official test certificates, results of internal profile measurements as well as national and international correction factors in accordance with DIN EN 4109-35:2016 and EN 13830:2015. The output value  $R_{w,res}$  currently does not take account of the safety coefficients specified in national standards for the calculation.

**R<sub>w,res</sub> =                      dB**