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 turn/tilt, tilt (no OL) and side-hung units with a centre and internal gasket or as fixed glazing with a surrounding outer frame, as shown in the Schüco design drawings. The exact determination of the assessed sound reduction index Rw can only be carried out by means of a test rig measurement.The exclusive rights of use are owned by Schüco International KG.

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1. Window Information

Profile System:

Framing Profile:

Transom Profile:

Mullion Profile:

Vent Profile:

Glass:

Glass ID	Make up

2. Codes and Specifications

[1] **DIN 4109-2:2018**, Sound insulation in buildings – Part 2: Verification of compliance with the requirements by calculation.

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

[3] **DIN EN 14351-1 : 2016**, Windows and doors - Product standard, performance characteristics - Part 1: Window and external pedestrian doorsets.

3. Results

In accordance with DIN 4109-2:2018 "Sound insulation in buildings - Part 2: Verification of compliance with the requirements by calculation", an area-based energy calculation of the weighted sound reduction index of building components" Rw,res has been carried out for the user defined window unit.

Rw,res = **dB**

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 4109-35:2017 and EN 14351:2016. The output value Rw,res currently does not take account of the safety coefficients specified in national standards for the calculation.

The detailed geometry information is listed in the table below.

Fields and Profiles Details