## Windows made from thermally broken steel profiles. JANSEN Janisol system

Design features:

The thermally insulated Janisol steel system consists of two cold-rolled steel half profiles and continuous, glass fibre-reinforced isolators. The high-quality insulating bar securely joins the half profiles together. It withstands the short-term temperature increases during welding without melting or burning. Proof of the shear bond in accordance with EN 14024 must be provided.

All corner and T-joints are securely welded together. The visible welds must be fully smoothed.

The face widths of the profiles (without end stops) are 23 mm, 25 mm and 50 mm.

Window vent face-fitted on the inside with inner rebate weatherstrip and centre weatherstrip in the rebate. Controlled outward drainage of the vent rebate must be ensured.

Only tested fittings belonging to the system may be used. This is binding for compliance with the CE marking.

The infill units are installed on both sides with EPDM weatherstrips or packing tape and permanently elastic sealing compound.

The regulations of the glazing manufacturer must be observed.

A glazing bead is installed on one side of the infill units in the construction.

Wider sill rails or transoms are possible through the use of profile combinations in conjunction with flush-fitted, welded steel inserts and fill the cavities with suitable insulation.

Watertightness in accordance with EN 12208 up to class 8A

Wind load resistance in accordance with EN 12210 up to C4

Air permeability in accordance with EN 12207   up to class 4

Heat transfer coefficient in accordance with EN 10077-1 from 1.3 W/m2K

Sound reduction in accordance with EN ISO 140-3   up to 45 dB

Burglar resistance in accordance with EN 1627   up to RC3

Bullet resistance EN 1522 up to FB6

Profile basic depths:

Outer frame, mullion, transom 60 mm

Vent frame 64 mm

Profile face widths:

Outer frame, side and top 72.5 mm

Four-sided vent frame 35 mm

