## Fire doors made from thermally broken steel profiles from the JANSEN Janisol C4 EI60 system

Design features:

The thermally broken Janisol C4 EI60 steel system consists of two cold-rolled steel half profiles and continuous, glass fibre-reinforced isolators, as well as an innovative fire-resistant infill panel made from ceramic fire board. The high-quality insulating bars join the half profiles together with friction and positive locking. They withstand 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 must be welded together to produce frictional locking. The visible welds must be fully smoothed. The door leaf and frame profiles have face widths of 50 or 85 mm (without end stops). Door leaves flush-fitted on the inside and outside with all-round shadow groove 5 mm wide and continuous double rebate weatherstrip. Depending on the design, with/without end stop or with one or two weatherstrips in the threshold area.

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

The infill units are installed with EPDM weatherstrips or packing tape and suitable permanently elastic sealing compound on both sides. The regulations of the glazing manufacturer must be observed. The infill units are installed in the construction with glazing bead on one or both sides.

Widened sill rails or transoms are made possible by using profile combinations in conjunction with flush-fitted, welded sheet metal inserts and filling the cavities with suitable insulation.

Sound reduction in accordance with EN ISO 140-1 up to 44 dB

Mechanical strength in accordance with EN1192 up to Class 4

Profile basic depths:

Outer frame, mullion, transom 70 mm

Leaf frame 70 mm

Profile face widths:

Outer frame, side and top 40 - 122.5 mm

Leaf frame, sill 95 mm

Three-sided leaf frame 87.5 - 122.5 mm

