## Fire doors, completely clad in sheet metal, made from thermally broken steel profiles from the JANSEN Janisol 2 EI30 system

Design features:

The thermally broken Janisol 2 EI30 steel system consists of two cold-rolled steel half profiles and continuous, glass fibre-reinforced fire boards. 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 25 or 50 mm (without end stops). Door leaves flush-fitted on the inside and outside with all-round shadow groove 5 mm wide and double continuous 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.

Smooth steel sheets can either be welded, bonded (with screw fixing) or fastened with rivets. The glass infill units as viewing windows are additionally 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.

Cavities between the smooth sheets must be filled with insulation in accordance with the fabrication documentation and country-specific approvals.

Sound reduction in accordance with EN ISO 140-1 up to 45 dB

Mechanical strength in accordance with EN1192 up to Class 4

Burglar resistance in accordance with EN 1627 up to RC3

Profile basic depths:

Outer frame 60 mm

Leaf frame (sheets welded or bonded) 54 mm

Leaf frame (sheets fastened with rivets) 60 mm

