

Protective door SO-1

The protective door manufactured by JTK Power OY protects people in the civil defense shelter from the effect of a possible pressure wave.

The product meets the requirements set forth in Government Regulation 409/2011.

Features

The door panel is designed to withstand a pressure load of 200 kN/m² (2 bar). Hinges and latch mechanism withstands rebound forces. The door also has shock supports, which help the door to withstand shock loads (up to 30g). When closed, the door is gas-tight, which means that harmful gases from the outside cannot enter the shelter and overpressure can be maintained in the shelter.

If the door is required to have a splinter protection feature, we use a door panel of at least 30 mm, and the door type is then SO-1S.

The door is manufactured as a standard product for a 300 mm thick wall. Other thicknesses are also possible.

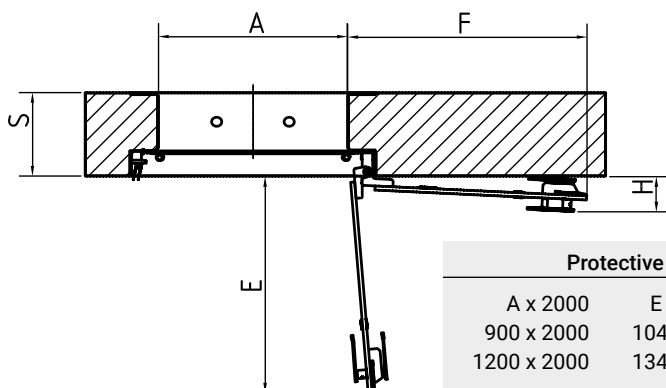
The handedness of the door must be stated when ordering, left- or righthanded.

Quality assurance

Eurofins Expert Services Oy has granted the product the following certificate:

VTT-C-1790-07

JTK Power tests each product in its own facilities. There is a quality control agreement VTT-A-00095-17 between Eurofins Expert Services Oy and JTK Power Oy. The agreement guarantees that the products are constantly under impartial monitoring.



Delivery

SO-1 and SO-1S security doors are delivered primed on a pallet. The final painting is done after the concrete is poured.

The door seals are delivered loose with the door, and they are glued in place after installation.

Installation

The door is installed to open outward from the shelter. There must be at least 30 mm of space under the door panel. If you want to make the door threshold-less during normal use, an 85 mm recess must be made in front of the door, which can be filled with a removable structure.

Maintenance

Door maintenance is carried out according to a separate maintenance manual.