

Clean Room Cell ISO8-ISO6

- **SIT frame wall system, specially developed for clean room applications**
- **Flexible installation of doors and windows**
- **Self-sufficient**
- **Infrastructure according to customer needs**



Element Construction

Industries such as microelectronics, optics, optoelectronics, microsystems technology and micromechanics demand the highest purity conditions. In addition to complex room air technology, they require a flexible wall system. With SIT cleanroom walls and ceilings, the sensitive production areas can be narrowed down without any problems.

The SIT frame wall system consisting of sandwich panels was specially designed for clean room applications. The core consists of polyurethane foam or rock wool as pressure-resistant filling and insulating material. The individual wall elements are connected using the specially developed concealed SIT clip-in system, which enables the flexible installation of clean room windows and doors in a simple manner.



Fig. 1 Aluminium frame profile

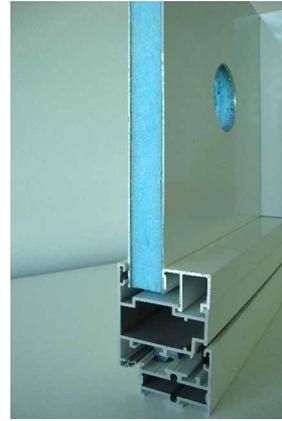
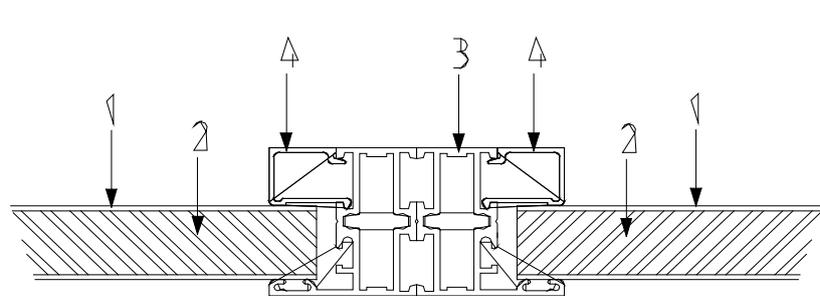
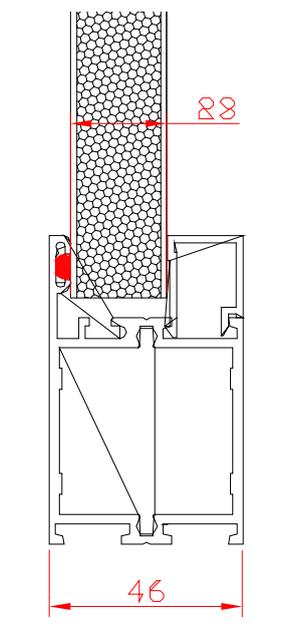


Fig. 2 Cross section



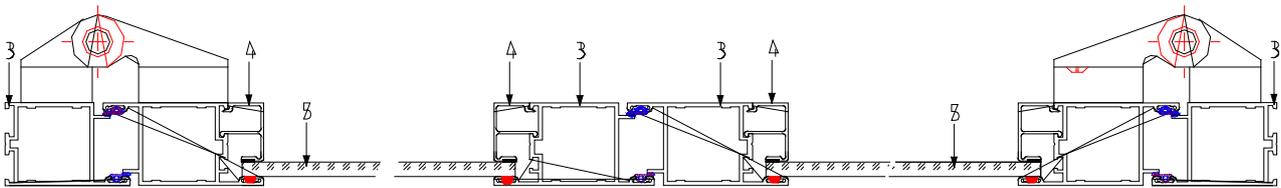
Fig. 3 Cleanroom double door



1. Panel outside, aluminium powder-coated or anodised
Option: powder-coated steel
2. EPS expanded polystyrene
Option: Foam glass rock wool
3. Aluminium frame profile
4. Clip-in holder

Door Element Layout

The door elements correspond in their construction to the rest of the wall system and can be easily integrated into it. The doors can be glazed as single or double doors, depending on element width.



Construction Details

Two systems are available for element glazing, whereby the glazing is generally designed as single glazing (double glazing on request as special design possible).

Integration of Media Lines

SIT offers various technical solutions to conceal cables, ultrapure water pipes, technical gases and other media connections in the wall system.

Cable Channel

Cable channels can be arranged horizontally and vertically between individual wall elements. These can be opened from one side and allow cables up to a diameter of 45 mm to be laid at any time.

Panel Ceiling

The panel ceiling consists of made-to-measure sandwich elements. The elements are made of the same materials as the walls. The core consists of polyurethane foam or rock wool as pressure-resistant filling and insulating material.

