

Profile system

- ▮ SOLARLUX, serial SL 65-HSW or equal.
- ▮ The Horizontally-Sliding-Wall should be made from solid triple-laminated cross grained wood construction. Wood from a sustainable forest management system and special types of wood should be available as an option.
- ▮ The construction depth of the profiles do not have to be lower than 66 mm.
- ▮ For the additional stabilization, of closed units, a form-closed profile connection as groove-tongue-connection in the vertical panel catch should be constructed.
- ▮ The bottom track should be provided without a threshold and, as an option, for shop fronts or for "barrier-free dwellings" in compliance with DIN 18 025, to be set into the floor.
- ▮ The system should have a bottom track with adjustable interlocking points.
- ▮ Optional floor sockets should be provided instead of a bottom track.
- ▮ It must be possible for the runner track to be integrated into the ceiling structure. It should consist of insulated profiles.
- ▮ This system must be constructed so that height tolerances and expansion are allowed without leading to a fault in function or impermeability.

Hardware

- ▮ All fittings must lie concealed in the profiles.
- ▮ To ensure stability of the horizontal sliding wall, low-maintenance, low-rattle, rustproof and fittings are to be provided, which are avoiding operating errors.
- ▮ In principle, latching and unlatching of the doors should be effected by a user-friendly, one-handed 180° turn of sturdy flat handles (with a locking element for break-in

protection) from the inside.

In addition, it must be possible for these handles to be lockable.

- ▮ The locking of every single panel into the bottom rail or floor sockets with max. 24 mm throw and end caps from polyamide as well as the simultaneous interlocking of two neighbouring panels by means of the male-female interlock must be carried out with this one-hand handle.

Running Gear

- ▮ Each panel has to be fitted with horizontally running gears. The rollers must be ball-bearing and must have a low-noise track, low maintenance running gear made of self-lubricating bronze composition.
- ▮ The carrying capacity of the two running gears do not have to be lower than 200 kg.

- ▮ The running gears should be adjustable in height without unhinging the panel.

- ▮ The running gear must be constructed so that the panels can travel over any angle and can be retracted into the parking bay without trouble.

Sealing

- ▮ Double brush seals with flexible fin must be fitted horizontally at the top and bottom from protection against dust and draughts.
- ▮ A double layer of EPDM weather stripping must seal the vertical panel joints against wind and rain.

Glazing

- ▮ The glass must be positioned into the panel frame with a continuous snap-in bead until 28 mm glass thickness according to the general glazing guidelines.
- ▮ The glass pane and the glazing rebate drainage have to be developed according to the general glazing guidelines.
- ▮ Trouble-free pane replacement at a later date should be possible.

Stacking Bay Positioning

- ▮ The stacking bay should be possible within or outside the opening.

For each application the duty of the client remains to check in detail the applicability of the system e.g. intended use, plans for heating, country-specific regulations etc.