

Application*:

Shop fronts and sales rooms, shopping malls, furniture shops and car dealers, restaurants and hotels, town hall and convention hall, bank, railway station and airport, school centre and educational institution, museum and cultural buildings.

System- use

- To open and close the sales rooms
- For the inside and outside division of dining areas and halls
- For the flexible use of accommodations
- For the partition of foyers and conference rooms
- For the night partition at the entrance, counter and waiting area
- For the partition of sales areas or for shop windows
- For the use of special events and partition of societies

Profile system

- ! SOLARLUX, serial SL 60-HSW or equal.
- ! The hereafter written Horizontally-Sliding-Wall is an aluminium construction made of insulated profiles in accordance with the "Guidelines for the Verification of the Stability of Metal/Synthetic Combined Profiles" of the DiBt.
- ! Air permeability class 2 in accordance with DIN EN 12 207, watertightness Class 4A according to EN 12 208 (stress group " B" in accordance with DIN 18 055) must be achieved.
- ! The construction depth of the profiles do not have to be lower than 59 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 whole unit should be in a framed construction.
- ! 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.

Swing panel

- ! Sliding panel within the system must be able to operate as a swing panel (incorporated pass door).
- ! The incorporated pass door should be operated as an individual unit.
- ! Usual fitting such as overhead door closer, push handle and locking have to be carried out

Sealing

- ! Double brush seals with flexible fin must be fitted horizontally at the top and bottom from protection against dust and draughts.
- ! IA 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 40 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.

*** The possible application referred to and the schematic diagrams are examples only. 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.**