

Application:

Business entrances and showrooms, shopping arcades, shopping centres, furniture stores and car dealer showrooms, restaurants, hotels, town and conference centres, banks and building societies, stations, airports, educational centres, museums and cultural centres.

System Functions*

- Opening and closing off of showrooms.
- As room divider or partitioning for guest rooms and halls.
- Flexible use of premises.
- For partitioning off lobbies and conference rooms.
- For partitioning off entrance, counter and waiting areas for night service.
- To demarcate shop floor areas or to create shop windows.
- To use for special events and for the separation of parties.

Profile system

- ▮ SOLARLUX SL GG-HSW series or equivalent
- ▮ The all-glass horizontally-sliding-wall specified below is an uninsulated aluminium profile system
- ▮ The thickness of the panel profiles must not be below 35 mm.
- ▮ The floor track should be without rebate and, as an option, be able to be sunk into the floor for easier access for business entrance areas and / or for people with reduced mobility according to DIN 18 025.
- ▮ The system should be provided with a floor track with adjustable locking locations.
- ▮ As an option it must be possible to use bolt sockets instead of a floor track.
- ▮ The runner and guide tracks must be integrated flush into the system and must not protrude.
- ▮ It must be possible to integrate the runner track into the ceiling and this must be possible in any angled configuration.
- ▮ The system must be designed in such a way that it can accommodate for height differences and expansion without resulting in malfunction.

Door furniture

- ▮ Long term serviceability of the all-glass horizontally-sliding-wall is ensured by the use of low maintenance stainless steel door furniture with anti-rattle features and operating error prevention device.
- ▮ It is imperative that locking and unlocking of the panels takes place from the inside by means of an intruder protection mechanism. In addition, it must be possible to lock the access opening with a key.
- ▮ The locking of each individual panel in the guide and floor tracks / bolt sockets shall be effected by means of a bolt.

Running Gear

- ▮ Each panel shall be equipped with two horizontal runner assemblies. The runners must operate on low sound-emitting ball bearings provided with running surfaces of

self-lubricating material which is wear resistant as well as high and low temperature resistant.

- ▮ The load bearing capacity of two runner assemblies must not be below 160 kg.
- ▮ The runner assemblies must be height adjustable without having to lift off the panel.
- ▮ The runner assemblies must be designed in such a way that the sliding action of the panels is easy and that they can easily be pushed into the stacking bay.

Swing panel

- ▮ The design of the all-glass horizontal sliding wall must allow for the inclusion of double acting swing and sliding panels which can be located in sliding panels of the client's choice.
- ▮ It must be possible to operate the double-acting swing and sliding panel as an individual panel as well as a complete unit.
- ▮ The door furniture shall fully ensure user-friendly operation of the system.
- ▮ It must be possible to fit commercially available door furniture such as top door closers, push handles, locking systems to the double-acting swing and sliding panels.

Glazing

- ▮ The glazing shall comprise 10 mm or 12 mm thick single pane safety glass in accordance with the General Code of Practice for Glazing.
- ▮ It should be possible to replace the panes easily.

Stacking locations

- ▮ The stacking of the individual panels should be possible within or outside the room in separate stacking bays.

*** 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.**