

Application*:

- Balcony / Loggia glazing
 - Partition / Internal partition / Room divider
 - Commercial application
 - Commercial façade
 - Pool glazing
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Profile System

- | The horizontally sliding wall SL 50-HSW 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.
- | Construction depth: 50 mm for the panel profile, 70 mm for the running track.
- | Air permeability class 2 in accordance with DIN EN 12 207 impermeability to rain Class 7A according to EN 12 208 (stress group "B" in accordance with DIN 18 055) must be achieved.
- | The panel profiles are held together firmly with heat-insulated diecast corner pieces which form an integral part of the hinges.
- | 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, 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.
- | Segmented layouts available.
- | The running and guide tracks are to be integrated flush into the system and should not protrude.
- | It must be possible for the running track to be integrated into the ceiling structure and it must be able to travel over every angle > 90°-180°. It should consist of insulated profiles.
- | The system must be constructed so that height tolerances and expansion are allowed for 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 foolproof fittings are to be provided.
- | 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 blocking 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 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

- | The top-hung rollers must be ball-bearing and have a low-noise track made of fibreglass-strengthened polyamide.
- | 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 Panels

- | Each sliding panel within the system must be able to operate as a swinging panel (incorporated swing panel).

Sealing

- | Double brush seals with flexible plastic edging must be fitted horizontally at the top and bottom for protection against dust and draughts.
- | A double layer of EPDM weather stripping to seal the door jambs against wind and rain must be provided.

Glazing

- | The glass must be positioned into sills with a continuous snap-in bead.
- | Trouble-free pane replacement at a later date should be possible.

Parking positions

- | The parking positions for the sections of the facade can be either inside or outside the room in separate stacking bays.
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*** The possible applications referred to and schematic diagrams shown are examples only. This does not discharge the customer of his duty to examine in detail the applicability of a system (i.e. use, heating, country-specific regulations etc.)**

