

**Application\*:**

- Balcony / Loggia glazing
- Commercial façade
- Partition / Internal partition / Room divider
- Open sitting area / Porch

**Profile System**

- ! The horizontally sliding wall SL 35-HSW is an aluminium construction made of non-insulated profiles.
- ! Construction depth: 35 mm for the panel profile, 45 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 joined firmly by means of diecast corner pieces with integrated hinges.
- ! The bottom track should be provided as a threshold with a rebate or, as an option, as a flush threshold that can be set into the floor. The design with a flush threshold must be available for shop fronts or for "barrier-free dwellings" in compliance with DIN 18 025.
- ! The system should have a bottom track with adjustable interlocking points.
- ! Optional floor sockets should be available instead of a bottom track.
- ! The running and guide tracks are to be integrated flush into the system and should not protrude.
- ! 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 horizontally sliding wall, low-maintenance, low-rattle, rustproof and foolproof fittings are to be provided.
- ! The interlocking mechanism rods should be made of aluminium and interlock into the upper and lower running and guide rails. The rods must have polyamide caps so as not to operate "metal on metal".
- ! In principle, latching and unlatching of the panels 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.
- ! An integrated, separately operated entry/exit door panel with handles both on the inside and outside, lock and PZ must be structurally possible.

**Running Gear**

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

**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 must be provided to seal the door jambs against rain and wind.

**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.

**Park Position**

- ! The option of having the parking positions of the individual panels either inside or outside the plane of the opening 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.)**

