SOLARLUX®

Specification SL 66

Folding façade

Application*:

- Balcony / Loggia glazing
- Commercial façade
- Open sitting area / Porch
- Commercial application
- Wintergarden unit
- Pool glazing
- Living space / Fixed unit
- Standard window

Profile System

- The folding system SL 66 is a solid triple-laminated cross grained wood construction with 66 mm construction depth.
- The U value for a three panel folding system is U_W = 1.5 W/m^{2}k according to DIN EN ISO 10077-1:2000-11.
- Air permeability class 4 in accordance with EN 12 207, impermeability to rain Class E900 according to EN 12 208, resistance to wind loads Class C4 according to EN 12 210 (stress group "C" in accordance with DIN 18 055) must be achieved.
- The panels shall be inward and outward folding.
- The running and guide tracks are to be integrated flush into the system and should not protrude.
- The aluminium bottom track should be provided with or without a rebate and can, as an option, be set into the floor. The design with a flush recessed sill must be made available for shop fronts or "barrier-free dwellings" in compliance with DIN 18 025.
- 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 folding system, low-maintenance, low-rattle, rustproof and foolproof fittings are to be provided.
- Adjustable hinges should make it easy to position the folding system.
- In addition it should not be possible to knock the hinges out (break-in prevention).
- 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". For optimum impermeability and break-in protection, the entry door panel (swinging panel) should be laterally engaged with the frame or with the neighbouring panel by an additional bolting device.
- 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.
- An integrated, separately operated entry/exit door panel with a handle inside and outside, lock and profile cylinder must be structurally possible.
- A design with an integrated tilt or tilt-turn panel within a door unit should be made available as an option.

Running Gear

- The folding façade SL 66 is fitted with floor mounted (SL 66 / u) or top hung (SL 66 / 0) running gear.
- SL 66 / u (standard):

  The bottom fitted runner assemblies run on low noise ball bearings, a combination of stainless-steel rollers with stainless-steel bearing surfaces which give a long service life.
- SL 66 / o:

  The top fitted runner assemblies also run on ball bearings with low noise plastic bearing surfaces.

Sealing

- A double layer of EPDM weather stripping must be provided horizontally and vertically to protect against rain and draughts.

Glazing

- "Dry" glazing with flush sills must be provided.
- Trouble-free pane replacement at a later date should be possible.

*** 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.)**