

**Application\*:**

- Balcony / Loggia glazing
- Open sitting area / Porch
- Glass house

**Profile System**

- ▮ SOLARLUX, series SL 25R - or equivalent.  
The following system is a framed balcony glazing construction consisting of panels with tempered heat soak tested glass. The panels are held at top and bottom in aluminium profiles by a combination of concealed clips and adhesive.
- ▮ The sliding panels should be capable of being slid to one side if desired and then opened by turning.
- ▮ The glazing must form a unified system within a continuous concealed frame.
- ▮ The system must be constructed so that height tolerances and expansion are allowed for without leading to a fault in function or impermeability.
- ▮ Height compensation of the upper rail must be possible at any time, even after assembly, by means of a height adjustment profile, without having to dismantle the fittings or frames of the elements.
- ▮ It must be possible to adjust the width of the frame +15 mm on each side during assembly.

**Hardware**

- ▮ All fittings must lie concealed in the profiles.
- ▮ To ensure system stability, low-maintenance, low-rattle, rustproof and foolproof fittings are to be provided.
- ▮ The interlocking hardware of the door panel should have concealed upper and lower locking mechanisms, to be operated by a filigree cord. The cord must run along the inner side in front of the pane and must remain taut through automatic spring tension. The locking mechanism must be made of polyamide to avoid operating "metal on metal" with a stroke of 10 mm and should inter lock in to the upper and lower track.

**Running Gear**

- ▮ Top-mounted, maintenance-free horizontal running gear, in each case with 2 rollers, is required.
- ▮ The rollers must be ball-bearing and have a low-noise, wear-resistant, heat-resistant and cold-resistant running face made of fibreglass-strengthened polyamide.
- ▮ The running gear must have a load capacity of not less than 40 kg.

- ▮ The running gear must be able to travel over every angle between 90° and 180°.

**Sealing and Ventilation**

- ▮ For the side jambs, protection against driving rain and ventilation through a specified gap should be provided. Double brush seals with flexible plastic edging at both the upper and lower horizontal edges should be fitted.

**Glazing**

- ▮ The glazing must use tempered heat soak tested glass and guarantee an upgrade of panes from 6 mm to 8 mm.
- ▮ A heat bearing verification in accordance with DIN 18 516-4 is required for all panes.
- ▮ The panes must be held at top and bottom in the aluminium frames by means of hidden clips and, in addition, adhesive.
- ▮ Trouble-free panel replacement at a later date should be possible.
- ▮ All glass must comply with DIN 1249.

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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.)**

