

Application*:

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

- | The SL 25R system is a framed balcony glazing consisting of panels with tempered glass.
- | The panes are held at top and bottom in aluminium profiles by a combination of concealed clips and adhesive.
- | Noise reduction of up to $R'_w = 25$ dB according to DIN 52210-3 is achieved
- | The panels can be inward or outward opening
- | At least one panel is supplied as a swing panel (entrance / exit panel), the remaining panels are pushed one by one towards the opening where they snap into place automatically. They are opened by pivoting.
- | 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 10mm and should inter lock in to the upper and lower track.
- | An option is available whereby the stainless steel cord can be operated both from the inside and outside by the door knob.
- | The swing panels can be secured with an optional lock against unwanted opening (child lock).

Running Gear

- | The top-hung rollers are ball-bearing, have a low noise track made of fibreglass-strengthened polyamide and are able to travel over every angle between 90° and 180°.

Sealing and Ventilation

- | The vertical joint between the panels is provided with integrated centre gaskets on the aluminium profiles.
- | Trickle ventilation is provided by a labyrinth type sealing at the left and right hand side where the units meet the wall. The sealing affords protection from driving rain.

Glazing

- | The glazing must be tempered glass (ESG) with panes of 6 mm, 8 mm and 10 mm thickness.
 - | All panes have undergone a heat soak process according to the building products list and have polished edges.
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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.)**

