Profile system

- Framed slide and turn system in non-thermally insulated aluminium profiles with double glazing.
- The individual panel elements are held and guided in upper and lower aluminium slide rails by a hidden mounting system
- Sound insulation residual value = 30 dB according to DIN EN ISO 140-3
- The panels can be opened optionally inwards or outwards.
- The sliding panels can be optionally pushed to one side or two sides and then opened by turning.
- The glazing system can be "enclosed" optionally with a surrounding window frame or only by floor and ceiling rails without vertical outer frames.
- The system is constructed in such a way that height tolerance and extensions can be incorporated without causing sealing and functional disturbance.
- Height compensation of the upper guide rail is possible after assembly using a height compensation profile, without having to dismantle components or sealing.

Fittings

- All fittings are hidden in the profiles.
- The quality of the system is ensured by the use of maintenance-free and durable rustproof components as well as fault-free fittings.
- Locking of the turning panel is achieved by hidden, upper and lower locks. The locks are made of plastic so that locking does not consist of 'metal on metal'.
- Locking and unlocking of the panels from the inside is achieved by user-friendly single-handed operation via 180° rotation of sturdy flat handles with latches to prevent break-in. In addition, it is possible for these to be made lockable.
- Operation of the locking mechanism from inside and/or outside is optional. The locking is operated by an integrated door handle.
- The turning panels can be protected against unauthorised opening by latch locks (childproof locks).

Running assembly

- Upper maintenance-free horizontal running assemblies each with two rollers.
- The running assemblies consist of three smooth-running needle bearings and two carbon fibre reinforced polyamide rollers respectively. All metal components of the running assemblies are made from stainless steel. The rollers have a low-noise, wear-proof, heat and cold resistant contact surface.
- The maximum load bearing capacity of the running assemblies per sliding panel is approx. 80 kg.
- For the running assemblies of the drives, the maximum panel weight is 50 kg for sliding panels and 60 kg for rotating panels.

Sealing and ventilation

- In the vertical area between the panels interconnection is via a tongue and groove system, so that maximum sealing against driving rain is ensured. Horizontally upper and lower brush seals with flexible plastic bars are fitted to the inner and outer sides. The lower and upper brush seal is attached to the panel frame and not to the lower guide rail.

Glazing

- Double glazing of 18 mm or 20 mm is possible.
- Subsequent changing of glass panes in situ is possible without problem.
- Subsequent changing of the panels is possible without problem.
- All glass panes conform to the Building Rules List.

Drainage

- Unpressurised drainage of the floor rail to the outside by sloping floor structure. On the inner side of the lower guide rail there is an integrated channel via which cleaning water and condensation drains to the inside of the slide rail. The water is drained unpressurised to the outside via the sloping floor structure in the floor rail.
- The side frame enclosure of the lower guide rail is sealed against emergent water by end caps in order to prevent structural moisture penetration.

Floor plan

- The manoeuvrability of the running assemblies over every angle between 90° and 180° makes possible the most complex floor plan geometry.