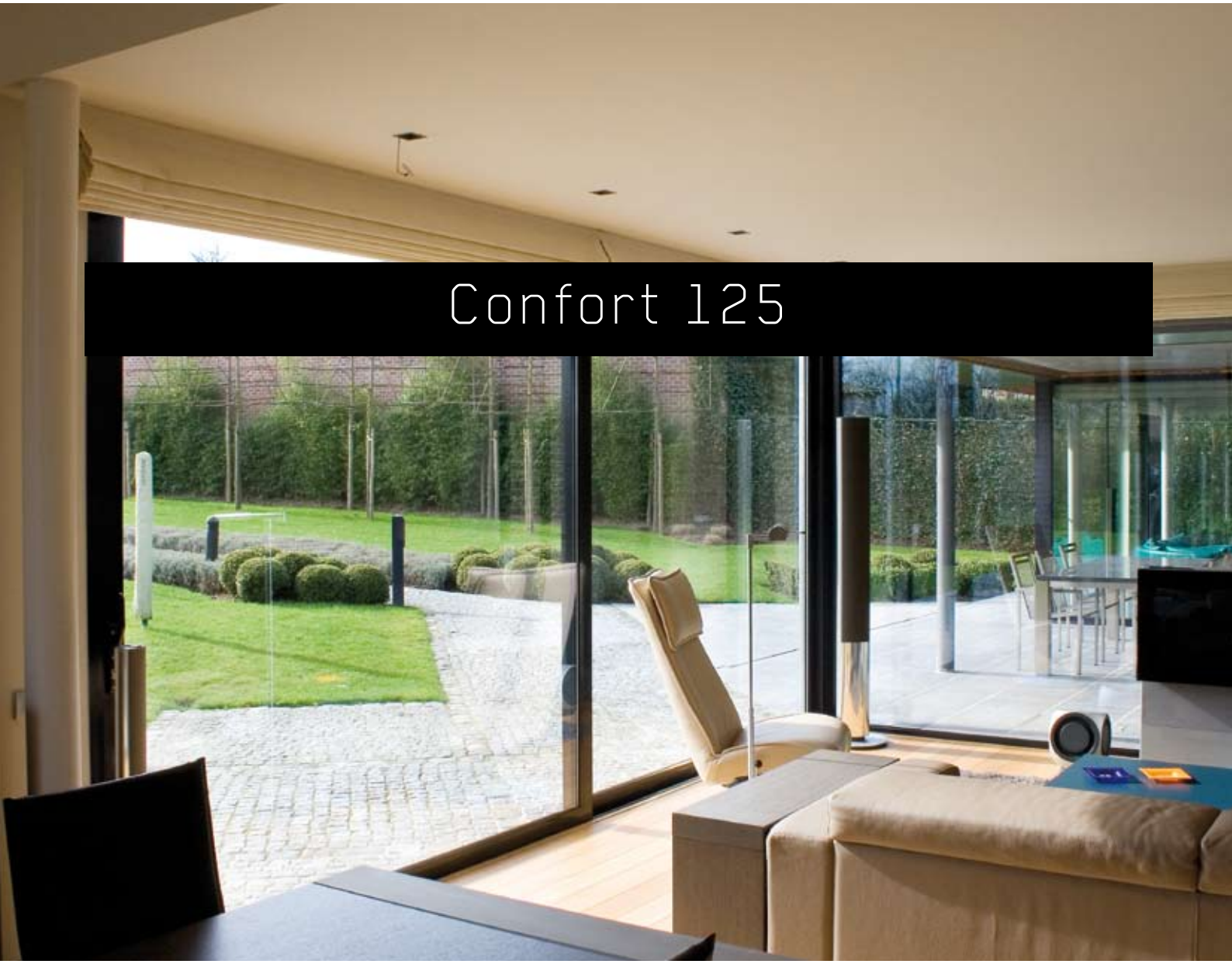
sapa:

Architectural **Aluminium** Solutions



Confort 125

Sliding Systems

Sapa Building System

Confort 125 is a thermally insulated sliding and lift-sliding system that is durable, stable and robust. The system is available in a 1, 2 and 3 rail version, so a 6-leaf sliding door is perfectly feasible. With a maximum vent weight of 240 kg for the sliding and 300 kg for the lift-sliding version, large glazed areas are easily attainable.

Confort 125 belongs to 'Eurosystem', the new generation of modular systems within the Sapa Building System product line.

Strength & Durability

- A combination of strong profiles and stainless steel rollers with polyamide support, allows Confort 125 to be used for glazed areas up to 2,5 m (height) for the sliding version.
- The stainless steel rollers are self-levelling which assures that the vent glides effortlessly, even up to a maximum weight of 240 kg. Stainless steel wheels do not deform and so guarantee a long-life performance.
- The lift-slide hardware allows vents up to 300 kg with glazed areas up to 2,8 m.
- The vent profiles with a building depth of 50 mm accommodate glazing from 2 to 35,5 mm.
- Confort 125 sliding doors are compatible with other Sapa Building System products such as our conservatory, turning and curtain wall systems.

Resistance

» Efficient water evacuation is ensured via punched drain holes and integrated sealing plugs.
» Hi-Fin brush gaskets ensure perfect weather resistance in the sliding version.
» For the lift-slide version, EPDM gaskets guarantee perfect tightness.
» Brush draught excluders, positioned centrally between each vent, keep the sliding doors draught free.
» The glass fibre reinforced polyamide strips (PA 6.6 GF25) ensure good thermal insulation. The synthetic protection gutter offers an increased thermal protection.
» Weather resistance:
sliding version: 4 (EN 12207); 7A (EN 12208); C4 (EN 12210)
lift-slide version: 4 (EN 12207); 8A (EN 12208); C3 (EN 12210)

Maintenance

» All Sapa System profiles can be easily cleaned.
» Aluminium does not rust, rot or tear and the shape does not deform.
» Aluminium is a green product. It can be recycled infinitely without quality loss.

Finishes

» Over 400 powder coated paint colours in matt, gloss or satin.
» Unique wood effect, textured and textured metallic ranges are available.
» Anodised finish is also an option.
» Accessories can be supplied in corresponding colours to match the profiles.
» Polyamide thermal breaks allow bi-colour finishes, so that the exterior design requirements do not infringe the interior design requests.
» Our surface finishes meet the highest standards of Qualicoat or Qualanod.

Design

» The gutter section frame allows the internal floor finishes to be flush with the inner frame and avoids thresholds.

» All standard shades and ventilation systems can easily be integrated.

» A comprehensive range of supplementary profiles allows the fenestration to be integrated perfectly into the building.

» Design glazing beads add extra finish.

» Specially designed end pieces make Confort 125 complete in all respects.

Confort 125 is available in 1-, 2-, 3-rail, each offering specific advantages and design solutions:

» Confort 125, 1-rail: Combination of a sliding vent and a fixed screen, which can also include turning vents. Fixed screens can be integrated on top or at the sides of the sliding vent by using an integrated combination profile.

» Confort 125, 2-rail: Combination of sliding vents with 1, 2, 3 or 4 vents; fixed and sliding parts have the same sightline.

» Confort 125, 3-rail: Combination of sliding vents with 3-rail frame, max. 6 vents. The perfect solution for larger glass surfaces.

Fabrication

- Both frames and vents are assembled using eccentric or press corners. Corner chevrons guarantee a perfect aliniation of the corners.
- All profiles are prefabricated using the specially designed punching tools. Drainage holes, vent cut outs and the holes punched for the eccentric cleats are therefore very precise, ensuring fast and accurate assembly.
- Fabrication manuals and precise software give the fabricator the information he requires to proceed swiftly.
- Confort 125 belongs to the Eurosystem range and is complementary with the turning system Confort 50. As a result, cutting losses are limited and identical vent profiles, glazing beads and glazing gaskets can be used for sliding and turning applications.
- Both sliding and lift-sliding versions use identical frame profiles, rails, glazing gaskets and sealing pieces, which proves the optimal use of materials.
- Sapa Building System offers its software SapaLogic, an open concept for automation, to fabricators who have a CNC machining center.

Safety

- Multipoint security locks can be applied on the sliding and lift-sliding version.
- The lock of the vent has an anti-lift device. Moreover, a central security piece on top of the vent prevents lifting.
- Internal tubular glazing beads prevent unclipping of the glazing beads from the outside.
- The lock of Confort 125 can include a night vent position, which assures a healthy ventilation of the building.
- Security level: ENV 1627 - 1630 class 2

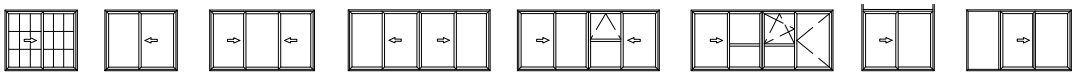
Project support

- Sapa Building System's experienced project team will advise you on the best product solutions.
- We can help you with pricing, strength calculations, building connections, thermal simulations, etc.
- Specific project solutions can be developed.
- Samples, catalogues, technical specifications and digital drawings are available.

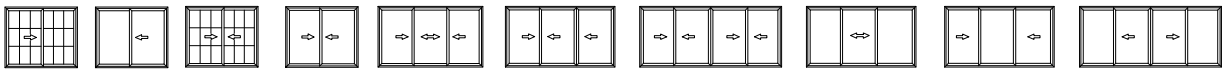
Applications

Slide

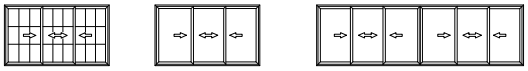
1-rail



2-rail

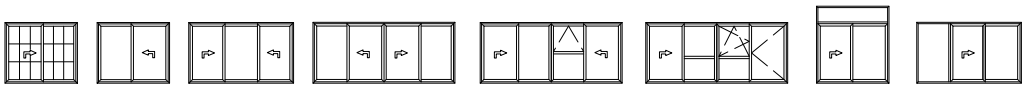


3-rail

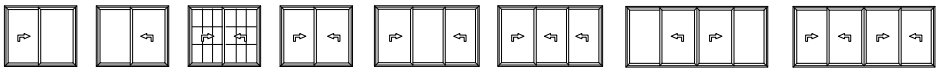


Lift-Slide

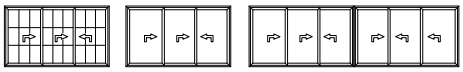
1-rail



2-rail



3-rail



Dimensions

Min. sightline 1-rail (fixed part)	50 mm
Min. sightline 1-rail (sliding part)	131 mm
Min. sightline 2-rail and 3-rail (sliding part)	131 mm
Min. sightline transom in vent	72 mm
Profile depth 1-rail	117,5 mm
Profile depth 2-rail	110,5 / 125 mm
Profile depth 3-rail	192,5 mm
Profile depth vent	50 mm

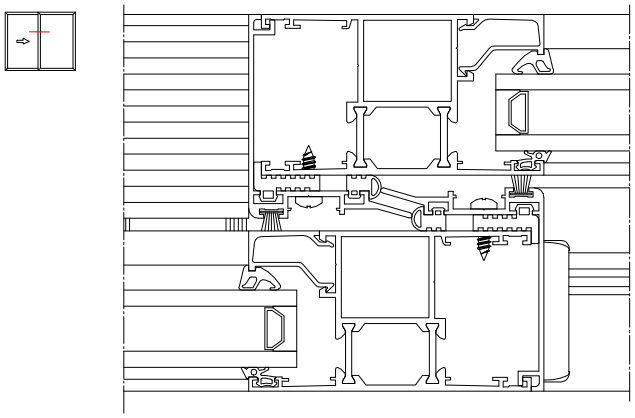
Glazing

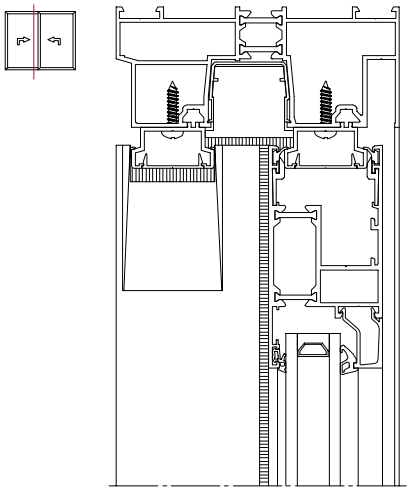
Infill thickness fixed parts 1-rail	2 - 35,5 mm
Infill thickness sliding parts 1-, 2-, 3-rail	2 - 35,5 mm
Glazing method	dry glazed with EPDM gaskets or silicon

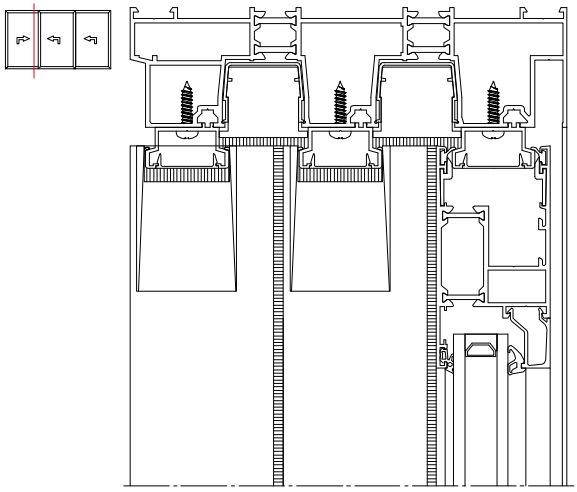
Performances

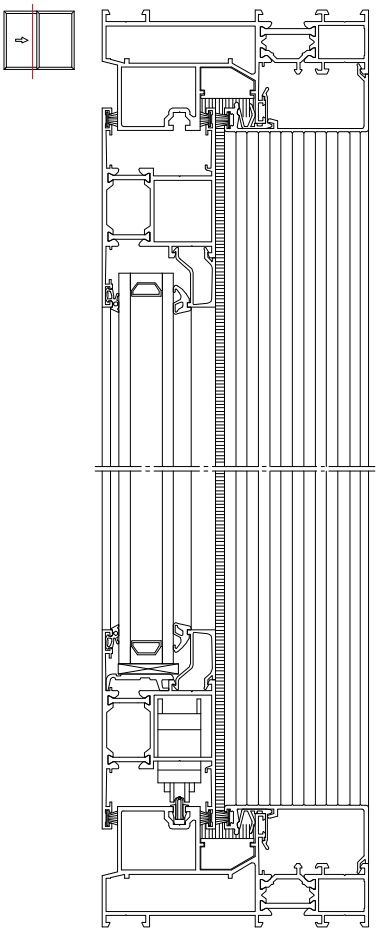
Thermal break				24 mm polyamides PA 6.6 GF25 (18,6 mm in the vent)	
Security:		forced entry resistance class 2			ENV 1627 - 1630
		impact testclass 5			EN 13049
	Sliding	Lift-slide	Sliding	Lift-slide	
Air permeability	4	4	600 Pa	600 Pa	EN 12207
Water tightness	7A	8A	300 Pa	450 Pa	EN 12208
Wind resistance	C4	C3	1600 Pa, sec. 2400 Pa	1200 Pa, sec. 2000 Pa	En 12210
Acoustic insulation		R_w (C;C_{tr}) = 38 (-1;-2) dB (6/16/44.2)			EN ISO 717 / EN ISO 140
		R_w (C;C_{tr}) = 41 (-1;-3) dB (44.2/15/55.2A)			EN ISO 717 / EN ISO 140
		R_w (C;C_{tr}) = 41 (-1;-3) dB (12/12/44.4A)			EN ISO 717 / EN ISO 140

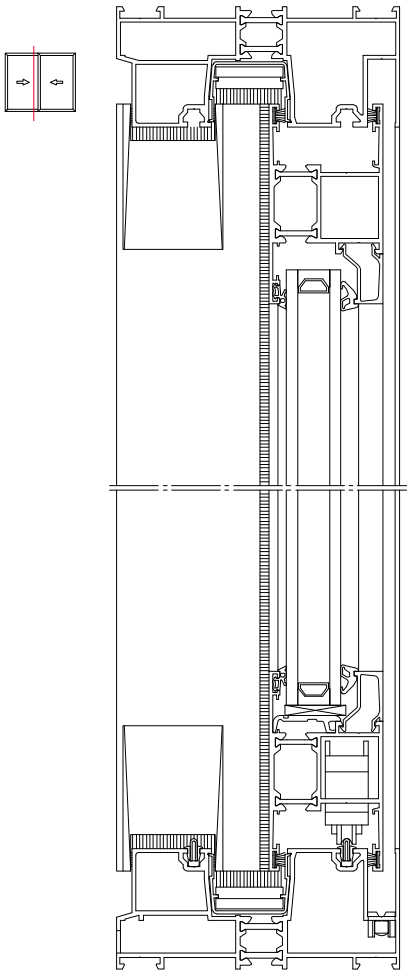
* This information is only an indication. For more information, please consult your local Sapa Building System branch.

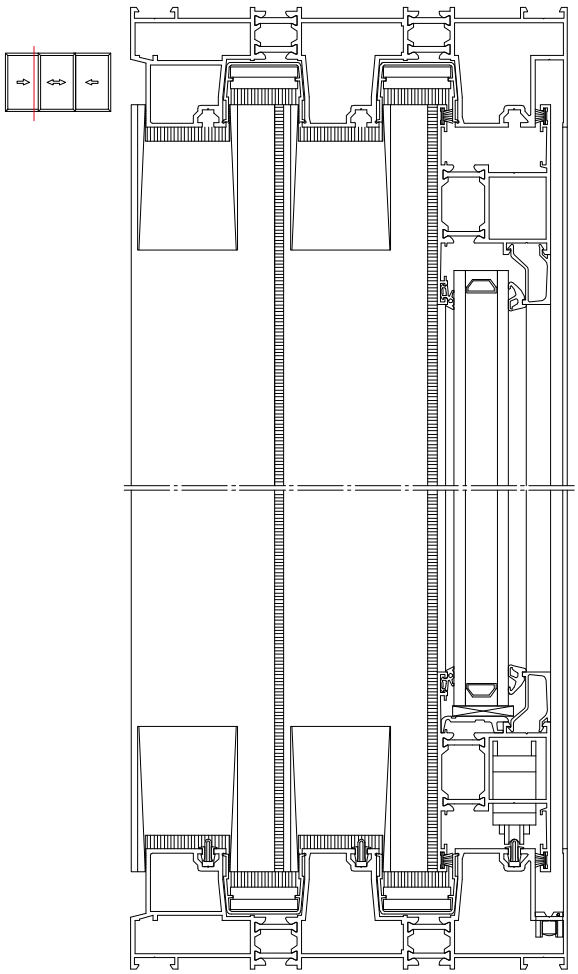












Sapa Building System, is one of the largest suppliers of aluminium building systems in Europe and is part of the Swedish group Sapa. The core business is the development and distribution of aluminium profile systems. Sapa Building System aims for well-developed systems and project solutions offering a tangible added value to fabricators, architects, investors and home-owners.

Windows and Doors
Sliding Systems
Curtain Walls
Conservatories
Balustrades, gates and others
BIPV

Your local Sapa Building System fabricator

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