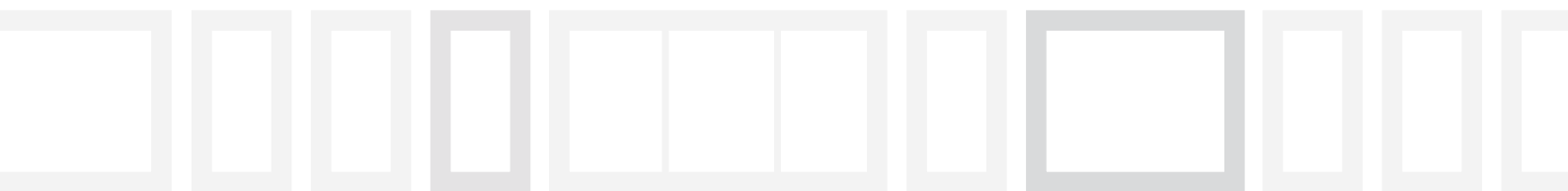


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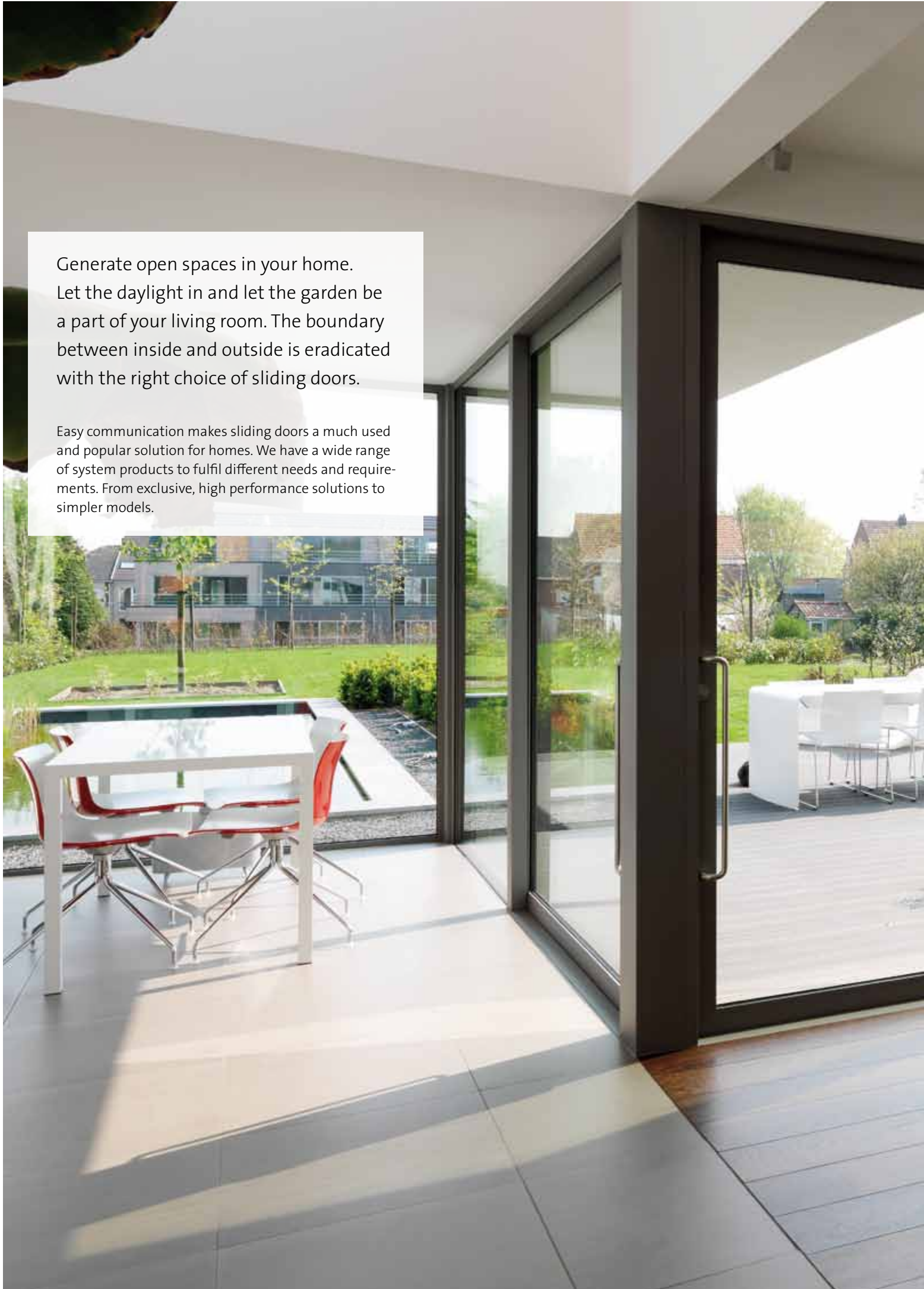
Sliding doors

French windows & folding French windows



Generate open spaces in your home. Let the daylight in and let the garden be a part of your living room. The boundary between inside and outside is eradicated with the right choice of sliding doors.

Easy communication makes sliding doors a much used and popular solution for homes. We have a wide range of system products to fulfil different needs and requirements. From exclusive, high performance solutions to simpler models.





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OFFICE

Sapa sliding doors, French windows and folding French windows

Sapa Building System AB is the leading Nordic supplier of aluminium-based building systems. Our system has been [developed for the Nordic climate](#) and includes solutions for sliding doors, French windows and folding French windows. Our range also includes doors, windows, glass roofs, façades, solar shading and building integrated photo-voltaic.

Our aluminium system solution provide [reliable function](#) and [minimal maintenance](#). Always important for functional dwellings. All of our profiles can be surface treated with anodising or powder coating to provide the best durability. Aluminium is resistant to moisture, which makes it a suitable building material for dwellings.

Recycling of aluminium is a low-energy process. Around 50 % of Sapa's total production is based on [recycled aluminium](#).

Sapa lift-and-slide door 2160

Ideal for large openings

Sapa 2160 is our best sliding door. Extremely **well insulated** and **user friendly**, it combines attractive design with durability and maximum comfort for you. The door is not just energy efficient, it's also incredibly stable and robust. It makes it possible to create **very large glass areas**.

An excellent choice for both new structures and refurbishing/expansion.

Considerable energy savings

Glass-fibre reinforced polyamide strips together with PE-insulation limits heat losses in an optimum manner. Sapa 2160 is extremely well insulated which lowers total energy consumption.

Excellent performance

- EPDM-seals guarantee high air and water tightness.
- Two levels of draining ensure that Sapa 2160 fulfils class 9A/8A for water tightness.
- A door leaf depth of 70 mm permits the use of double or triple glazing with a thickness of 20 to 51 mm.
- Can be ordered as a special version with multi-point locking, safety glass and special fittings for increased burglar protection which fulfils ENV 1627, resistance class 2.

Maximum strength and durability

- The combination of a strong aluminium profile and polyamide rollers allows large door leaves, up to 3.2 m.
- The use of stainless steel rails and large corrosion resistant rollers provides good durability as well as creating a door leaf that glides easily and quietly.

Aesthetic, evolved design

- Hidden fixtures, specially designed end pieces and a slim door leaf profile give Sapa 2160 a harmonious design.
- The threshold has been designed to integrate into the floor.
- When the door has been lifted by the handle, it can be "parked" in any position. Sapa 2160 can also be complemented with a locking function for night airing.



CHOOSE VERSION

Single or double wing slide leaf.
The threshold can also be lowered into
the floor structure for maximum accessibility.

CHOOSE FITTINGS AND LOCK

Lift-slide with lockable espagnolette, four
locking points. An aluminium handle and
cylinder lock can be fitted to the inside or both
the inside and outside.

CHOOSE GLASS

Intended for double or triple glazing.
Choose between several other glass functions
refer to page 21



Sapa Sliding door 2125

Flexible, lightweight solution for your patio/conservatory

Sapa 2125 is a simpler and lighter sliding door. It's suitable for patios and conservatories where the demands are not as high as in sections of outer walls. This **insulated** sliding door is very **easy to handle** and runs smoothly along a non-rusting rail on double bogie rollers. 2125 provides your room with a large opening and **generous light entry**.

Strength and durability

The stainless steel rollers are load-distributing which ensures that the door leaf slides easily. The robust rollers do not deform which guarantees a long lifespan.

Function

- Door leaf up to 1.6 m wide and 2.5 m high. Intended for double-glazed insulated panes with a max weight of 240 kg.
- The door leaf is offset in relation to the fixed window section.
- The threshold can be lowered into the floor to reduce the edge height.

- Can be ordered as a special version with safety glass and special fittings for increased burglar protection which fulfils ENV 1627, resistance class 2.

Comfort

- Glassfibre-reinforced polyamide insulators ensure good heat insulation.
- The door leaf depth of 50 mm allows glass thickness up to 32 mm.
- Hi-Fin brushes and EPDM seals guarantee good air tightness.
- Effective water dispersal is ensured by punched draining holes.





CHOOSE VERSION

Single or double wing sliding door.
The threshold can also be lowered into the floor structure for maximum accessibility.

CHOOSE FITTINGS AND LOCK

Alt. 1 Lockable espagnolette with four locking points, a handle and cylinder lock.

Alt. 2 Hook latch lock with handle for sliding function.

CHOOSE GLASS

Intended for double glazing.

Choose between several other glass functions, refer to page 21.



Sapa Sliding terrace door 1074

For all applications

Sapa 1074 is part of our window program. The design is based on the same principles as our classic **well insulated** windows, which provide a low U-value as well as high air and water tightness. The **effective sealing** also increases **the acoustic performance** of the door. A high threshold provides better protection against leakage in exposed positions.

Functions and design

The sliding terrace door is part of our window system 1074 which also includes windows, fixed glazed sections, French windows and folding French windows. These are all built on the same basic design and when combined provide a unified style to glass sections. The sliding door fittings are hidden, which gives the door a cleaner design. Glazing bars can be fitted to heighten awareness. The design provides a number of functions and is a secure and well-proven solution.

Three different positions

- The sliding terrace door runs on a hidden rail and opens completely to the side, parallel with the fixed window section.

- In the closed position, the door leaf is flush with the fixed window section.
- When the door leaf is closed, it can be tilted inwards to provide ventilation.

Stable and secure

- A sliding terrace door provides a large opening.
- Manoeuvring is easy thanks to the double bogie rollers running on aluminium rails.
- Gaskets on all sides and fully welded in each corner provide high air and water tightness.
- The sliding door is fitted with espagnolette locking. The locking points are adapted according to width and height. Can be fitted with a cylinder lock for locking from the inside, or alternatively from both inside and outside.





CHOOSE VERSION

Single or double wing sliding door.
Door leaf max. w 1,650 x h 2,400 mm.

CHOOSE FITTINGS AND LOCK

Under side supported, inward tilting with lockable espagnolette. Handle lockable from both inside and outside. With ventilation position.

CHOOSE GLASS

Intended for double or triple glazing.
Choose between several other glass functions refer to page 21.



Sapa folding French window 1074

Treat everyone to an Open House

Folding French window 1074 gives you the potential to create **large openings** to the outside world. Your living room suddenly gains a new dimension with the terrace as a meeting place or dance floor. Up to 87% of the glazed area can be **opened up completely**.

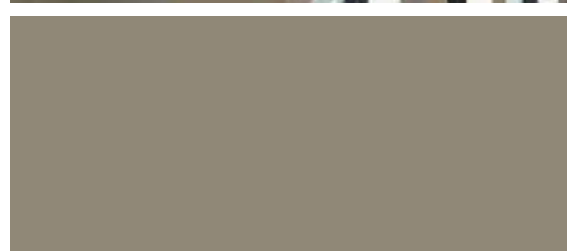


The window frames are connected together with hinges on alternate insides and outsides. The frames are opened by folding them together to a package on the inside of the sash. The window frames are hung from the upper edge on a strong roller fitment, the lower edges are steered by guide pins.

Suitable for homes, balconies, terraces and patios/conservatories.

Large openings

- Total width up to 6,300 mm with 7 window frames.
- Frame height 850-2,400 mm and frame width 300-900 mm.
- Frame weight: max 80 kg.
- Gaskets on all sides and fully welded in each corner provide high air and water tightness.
- The door leaf sections can be used for pedestrian passage in the same way as a French window.
- Horizontal and vertical glazing bars can be fitted to heighten awareness.





CHOOSE VERSION

Outward or inward opening folding French windows. Door leaf size up to 0.9 m wide and 2.4 m high.
Combine up to 7 folding doors.

CHOOSE FITTINGS AND LOCK

Walk through door: can be supplied with lockable handle, inward opening door.
Folding door: standard hinges, top fitment locks the door package in open position.

CHOOSE GLASS

Intended for double or triple glazing.
Choose between several other glass functions, refer to page 21.



Sapa French window 1074, outward opening

Classic outward opening French window

Sapa 1074 is part of our window program. Our **well insulated** window system that provides a low U-value as well as high air and water tightness. The **effective seals** also increase the **acoustic performance** of the door. An excellent traditional solution that can even be combined with fixed and openable windows, or in large glass sections to provide natural overhead lighting.

Proven solutions

The French window is part of our window system 1074 which also includes windows, fixed glazed sections, sliding terrace doors and folding French windows. These are all built on the same basic design and when combined provide a unified style to glass sections. The design is a secure and proven solution. The profile depth is 74 mm.

Implementation and performance

- Single door.
- Fully welded mid-seals on all sides provide high air and water tightness.
- Glazing bars can be fitted to heighten visibility.
- French windows can be fully glazed or panelled in sections of the door.





CHOOSE VERSION

Single door
Max height 2,350 mm,
Max width 1,125 mm,
Min height 1,950 mm,
Min width 700 mm,
Max window frame weight
100 kg.

Sizes stated are outer frame sizes

CHOOSE FITTINGS AND LOCK

Side-hung fittings
Fix-fittings, 3-point locking and
window brake.

CHOOSE GLASS

Intended for double or triple
glazing.
Choose between several other
glass functions, refer to page 21.

You will find us in the Nordic countries, the Baltic States, Hungary and Iceland

Fabricators close to you

You can find our products at our **approved fabricators**. They will help you with your project. They have long experience of building with glass and aluminium. Find your local representative at www.sapabuildingsystem.se/contact



Sapa Building Systems' products are sold and delivered by approved fabricators. Their undertaking includes everything from idea support and advice to production, delivery, installation and service.

Responsibility for the entire function

Sapa producers have control over all phases from project planning to installation, and are responsible for ensuring that the products you order fulfill their function in a proper manner. Purchasing gets simpler when one and the same subcontractor takes full responsibility from A to Z.

Project planning with well thought out solutions

The long experience that the producers have of aluminium and glass means that they can answer your questions and give you necessary advice. Together, you work out the expectations you have on the product and determine which demands must be made.

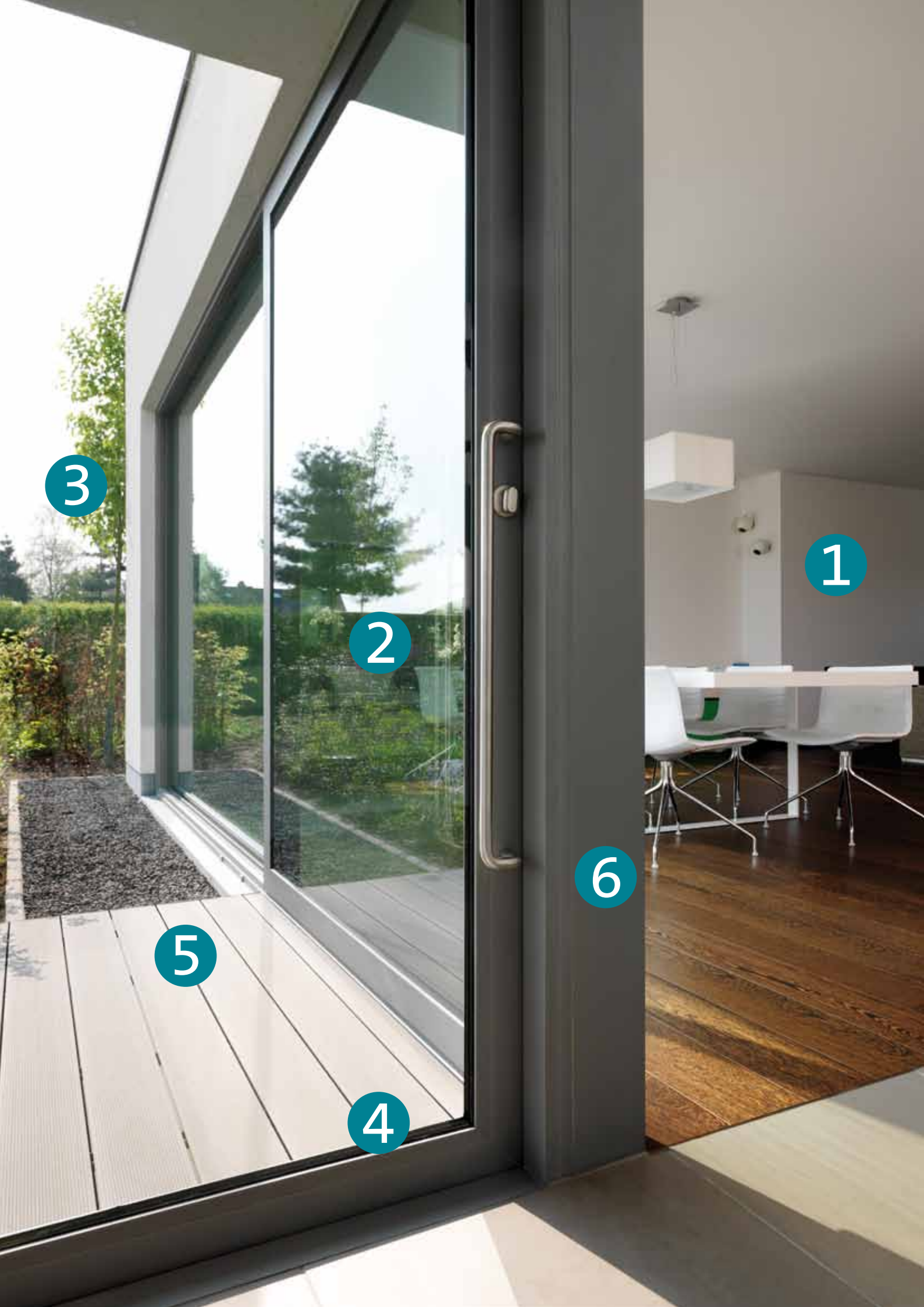
Full control over production

Sapa producers undertake the responsibility for manufacture at their own plant. You can have continuous notification about everything concerning your project. The producers have full control of time planning, material flow and production. As you would expect, they also have access to the most suitable equipment for manufacturing your products.

Complete commitment with delivery and installation

When you engage one of Sapa producers, you have one and the same contact through the whole process. They take responsibility for, and guarantee, a functionally correct product. Most importantly, their commitment must be to your benefit and satisfaction.





3

2

1

5

6

4

Choose the right sliding door

Keep your eye on the whole picture. Which functions are most important for you? Light and openness often add value to the whole house. User-friendly functions are important for practical daily use.

1 Function

Make sure you prioritise the function of the room. Choosing the right sliding door with the right fittings is dependant on how you want to use the room.

2 Opening

How large an opening do you want? Large sections also imply heavy weight. Fixed window sections combined with sliding doors give a visual openness.

3 Position

Weather and wind influence your choice. Areas close to the sea require strong materials and solutions. Sealing, low U-values and minimum maintenance save both energy and time.

4 Comfort and performance

Stable designs with good weather seals give the right conditions for a good acoustic climate and good energy householding. The choice of handles and fittings is important for easy use and security.

5 Glass

Choose your functional glass in consultation with our producers. Our standard solutions are suitable in most cases, but there is always room for special requirements.

6 Surface treatment

Aluminium building systems require minimum maintenance. Choose between anodised or painted surfaces. You can choose different colours on the inside and outside. Read more about this on page 21.



Aluminium handles

2160 Lift-and-Slide Door **Surface treatment:** Aluminium or white



Lifting handle, inside
Art. no. ZB 0024



Lifting handle, inside
Art. no. ZB 0024
Grip handle, outside
Art. no. ZB 0028



Lifting handle
for cylinder lock,
inside
Art. no. ZB 0025



Lifting handle for
cylinder lock
Art. no. ZB 0025 inside
Art. no. ZB 0027 outside



Lifting handle for
cylinder lock, inside
Art. no ZB 0025
Grip handle, outside
Art. no. ZB 0028

2125 Sliding Door **Surface treatment:** Aluminium or white



Handle,
inside only
Art. no.14119



Handle, inside
and outside
Art. no.14118



Pull handle for cylinder lock
Inside art. no. 14124 lh
Outside art. no. 14125 rh
Inside art. no. 14126 rh
Outside art. no. 14127 lh



Pull handle
Inside art. no. 14120 lh
Outside art. no. 14121 rh
Inside art. no. 14122 rh
Outside art. no. 14123 lh

1074 Sliding Terrace Door **Surface treatm:** Alu. or white



Handle, inside
Art. no. 14572 lh/rh
Handle, outside
Art. no.14568 lh
Art. no.14569 rh



Cylinder lock plate
Art. no.14573
Lock outside and inside



Handle, inside
Lockable
Art. no. 16436 rh
Art. no. 16437 lh



Handle, inside with
separate locking cylinder
Fix 83H rh
Fix 83V lh

1074 French Window **Surface treatm:** Alu. and chrome plated

1074 Folding French Window **Surface treatment:** Aluminium, white or brown



Handle, inside
Art. no. 16126



Handle, inside
lockable
Art. no. 16131



Lock, inside
Art. no. 16127

Choose colour and glass



SURFACE TREATMENT AND COLOUR

Our aluminium profiles can be anodised in 8 standard colours or powder coated according to NCS-S and RAL colour charts.

There are also effect-paints with different textures as options. You can also choose Decoral, a lacquering process that transfers a pattern to the lacquer to e.g. simulate wood, marble, etc.

You can also choose different colours on the inside and outside.

QUALITY AND P-MARKING

In order to guarantee a high, even quality, Sapa Building System AB is certified in accordance with ISO 9001.

The quality of the building system is ensured through P-marking and is environmentally declared according to the Swedish Building Products Declaration.



CHOICE OF GLASS

There are several alternatives, depending on comfort and energy demands. Profiles that can hold triple glazing naturally give the widest freedom. There are several different types of glass for e.g. personal security, anti-burglar protection, fire protection, sound damping, dirt repulsion, solar shading and energy saving. It is also possible to screen-print the glass with different patterns, or to use coloured glass.

IMPORTANT POINTS TO CONSIDER

Glass surfaces that are unprotected and placed so that people can come in contact with them, shall be formed so that the risk of personal injury is limited. The glass surfaces in question shall be dimensioned to withstand the dynamic influence of a person. Applicable standards and demands must be taken into account.



Energy values and combinations

Our system solutions are flexible and dimensions can be customised to suit your requirements.

The U-value of a structure defines how much energy is lost through radiation, convection and conduction. The following values are calculated for a selection of sizes to help you compare products.

U_w (U_{window}) gives the value for the whole door solution, U_g (U_{glass}) gives the value at the centre of the glass. Our calculations are based on a so called hot edge insulated window pane.



EXAMPLES OF U-VALUES FOR DIFFERENT SIZES OF DOORS*

Sapa Lift-and-Slide Door 2160	Glass: $U_g = 0,6 \text{ W/m}^2\text{K}$	Glass: $U_g = 0,9 \text{ W/m}^2\text{K}$	Glass: $U_g = 1,1 \text{ W/m}^2\text{K}$
W x H, mm	U_w (W/m ² K)	U_w (W/m ² K)	U_w (W/m ² K)
3000 x 2300	1,3	1,5	1,7
4000 x 2300	1,2	1,4	1,6
4500 x 2300	1,2	1,4	1,6
5500 x 2300	1,1	1,4	1,6

Sapa Sliding Door 2125	Glass: $U_g = 0,6 \text{ W/m}^2\text{K}$	Glass: $U_g = 0,9 \text{ W/m}^2\text{K}$	Glass: $U_g = 1,1 \text{ W/m}^2\text{K}$
W x H, mm	U_w (W/m ² K)	U_w (W/m ² K)	U_w (W/m ² K)
2000 x 2300	Not selectable	Not selectable	2,1
2500 x 2300	Not selectable	Not selectable	2,0
3000 x 2300	Not selectable	Not selectable	1,9

Sapa Sliding Terrace Door 1074	Glass: $U_g = 0,6 \text{ W/m}^2\text{K}$	Glass: $U_g = 0,9 \text{ W/m}^2\text{K}$	Glass: $U_g = 1,1 \text{ W/m}^2\text{K}$
W x H, mm	U_w (W/m ² K)	U_w (W/m ² K)	U_w (W/m ² K)
2000 x 2300	1,1	1,3	1,5
2500 x 2300	1,0	1,2	1,4
3000 x 2300	0,9	1,2	1,4

Sapa Folding French Wind. 1074	Glass: $U_g = 0,6 \text{ W/m}^2\text{K}$	Glass: $U_g = 0,9 \text{ W/m}^2\text{K}$	Glass: $U_g = 1,1 \text{ W/m}^2\text{K}$
W x H, mm	U_w (W/m ² K)	U_w (W/m ² K)	U_w (W/m ² K)
2000 x 2300	1,4	1,6	1,7
2500 x 2300	1,3	1,5	1,6
2700 x 2300	1,3	1,5	1,6

Sapa French Window 1074	Glass: $U_g = 0,6 \text{ W/m}^2\text{K}$	Glass: $U_g = 0,9 \text{ W/m}^2\text{K}$	Glass: $U_g = 1,1 \text{ W/m}^2\text{K}$
W x H, mm	U_w (W/m ² K)	U_w (W/m ² K)	U_w (W/m ² K)
1100 x 2300	1,3	1,5	1,6

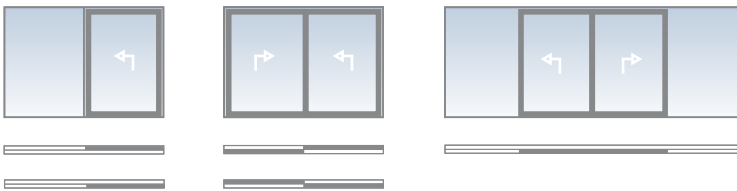
* Theoretical U-value calculation with consideration to glass, profile proportion and linear factors for edge zone effects according to EN 10077-1/2.

PERFORMANCE AND COMPARISON TABLE, SLIDING AND FOLDING DOORS

Door system Insulated	Page	Profile depth door leaf/sash mm	Max glass thickness mm	Door leaf max width x height mm	Door leaf max weight kg	Air tightness acc. Class EN 12207	Water tightness acc. Class EN 12208
2160	6	70/160	51	3200 x 2700	400	Class 4	Class 9A/8A
2125	8	50/117	32	1600 x 2500	240	Class 3	Class 5A
1074 Sliding Terrace Door	10	74/74	44	1650 x 2400	130	Class 4	Class 9A
1074 Folding French window	12	74/74	44	900 x 2400	80	Class 4	Class 9A
				<i>Larger sizes possible after consultation</i>			<i>2160 dependent on version 9A/8A</i>

COMBINATION POSSIBILITIES

Sapa Lift-and-Slide Door 2160



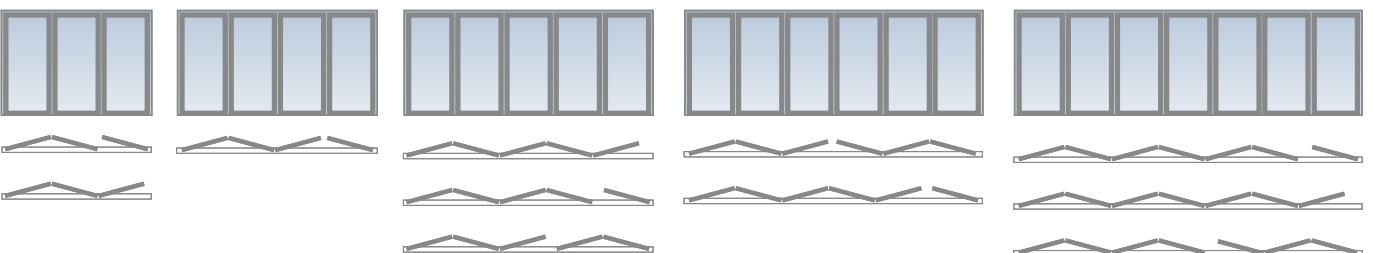
Sapa Sliding Door 2125



Sapa Sliding Terrace Door 1074



Sapa Folding French Window 1074



Sapa French Window 1074





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