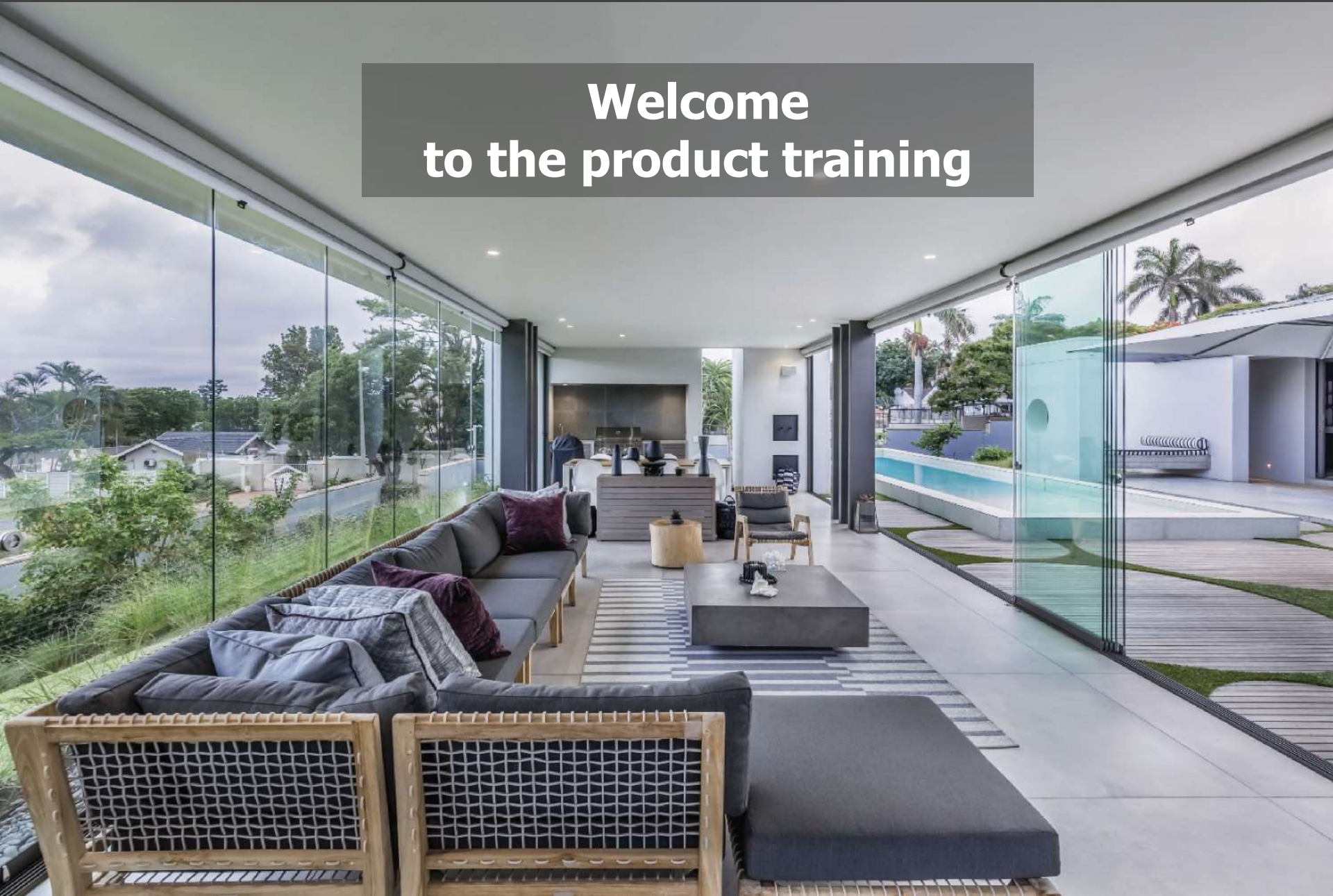


**Welcome
to the product training**

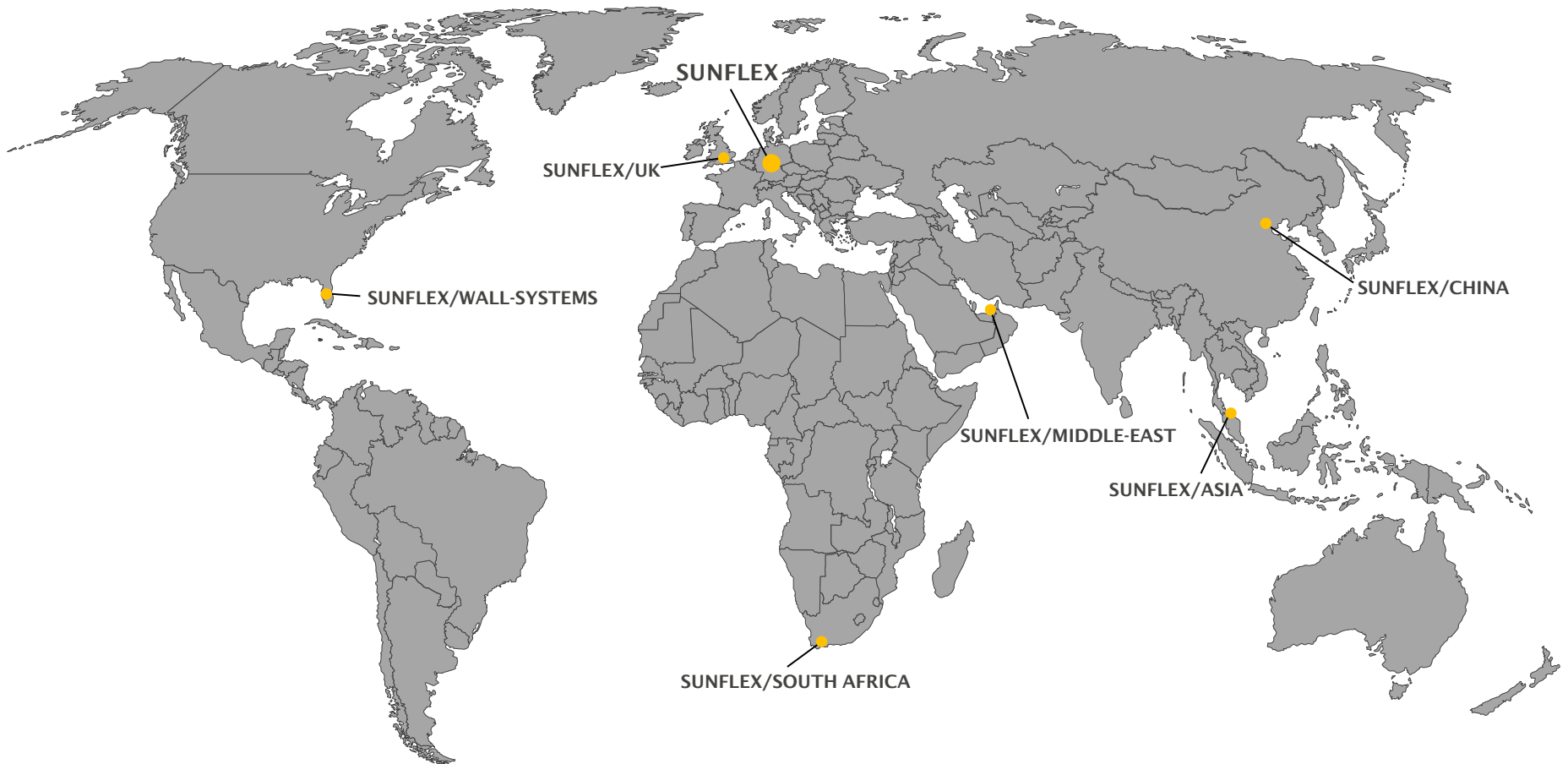




Development

- 1963 – Foundation of Schneider Shutters and Canvas Canopies company**
- 1986 – Establishing SUNFLEX production facilities and offices in Wenden-Altenhof**
- 1988 – Purchase of a new plant in Friesenhagen and relocation of the aluminum-production; wood-production stays in Wenden-Altenhof**
- 1991 – Extension of the aluminum-production in Friesenhagen**
- 1993 – Cancellation of the company Schneider
Concentration on glazed folding doors**
- 2001 – Expansion of offices and relocating to Wenden**
- 2005 – Relocation to the new plant in Wenden-Gerlingen, combining all production units**
- 2007 – Extension of the plant in Wenden-Gerlingen**
- 2015 – Completion of the extension of the office building**
- 2019 – Expansion of storage and production facilities**
- 2021 – Completion of the construction work**

Global Locations



Customers worldwide in more than 100 countries



Management



Product overview

Sliding-Systems



Non insulated:

SF20 – All-glass, hanging
SF22 – With frame
SF42 – With frame

Slide-and-Turn Systems



Non insulated:

SF25 – All-glass, hanging
SF30 – All-glass, standing
SF35 – With insulated glass

Glazed Folding Doors



Non insulated:

SF45 – Alu

Insulated:

SF55e – Alu (eco)
SF55 – Alu
SF55c – Alu/timber

Highly insulated:

SF75 – Alu
SF75c – Alu/timber

Horizontal Sliding Walls



Non insulated:

SF40 – All-glass
SF50 – Alu

insulated:

SF55 – Alu

Product overview - terrasse roofs

External statics



Without roof overhang:

SF112 – Terrasse roof

SF152 – Terrasse roof

With roof overhang:

SF112 Plus – Terrasse roof

SF152 Plus – Terrasse roof

Internal statics



Without roof overhang:

SF125 – Terrasse roof

Cubic construction



Without roof overhang:

SF300 – Terrasse roof cubic

Product overview



Sliding-Systems

SF20

SF22

SF42



**Slide-and-Turn
Systems**

SF25

SF30

SF35



**Glazed Folding
Doors**

SF45

SF55e

SF55

SF55c

SF75

SF75c



**Horizontal Sliding
Walls**

SF40 H-S-W

SF50 H-S-W

SF55 H-S-W



Terrasse roofs

External static

SF112

SF112 Plus

SF152

SF152 Plus

Internal static

SF125

Cubic
Construction

SF300



Sliding-Systems

System SF20









All glass sliding system / SF20

Profile system

- All-glass sliding system
- Bottom loaded/running construction
- Option of flush or weathered bottom track
- The flush bottom track is particularly suitable for use in „barrier-free dwellings“ according to DIN 18 025
- Height variations of 16 up to 20 mm can be compensated

Fittings

- All fittings are concealed within the profiles
- Low-maintenance, non-corroding and failsafe fittings
- Integrated followers automatically move the adjacent panels when closing the sliding panel
- Various handles and C-pull handles available for inside and outside
- Inside and/or outside locking possible
- Optionally with inside or outside lever lock

All glass sliding system / SF20

Tests

- Airborne sound insulation to $R_w = 17$ dB according to DIN EN ISO 10140-2
- Measurement of deflection class 4 according to DIN EN 12211/12210 (10 mm glass)
- Repeated pressure/wind suction class 4 according to DIN EN 12211/12210 (10 mm glass)
- Safety test class 4 according to DIN EN 12211/12210 (10 mm glass)

Running assembly

- Low-noise, ball bearing rollers with wear-resistant and low-maintenance running surfaces
- The carriages feature a height adjustment of up to 5 mm
- The load capacity of the carriages is 80 kg/panel (maximum panel weight)

Sealing and ventilation

- Sliding panels overlap vertically by approximately 25 mm
- Gap of approximately 8 mm between glass panels (when 10 mm glazing is used)
- Gap sealing via aluminum profile with brush gaskets
- Brush gaskets are fitted horizontally at the top and at the vertical frame on the inside and outside

All glass sliding system / SF20

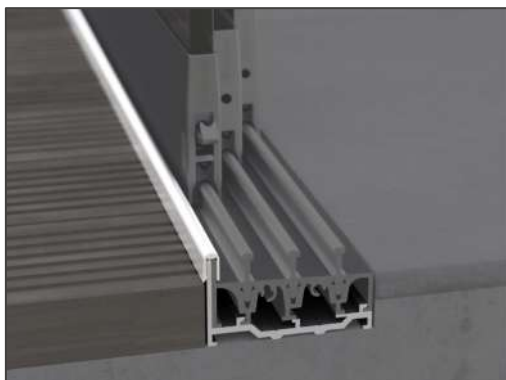
Glazing

- 8 or 10 mm tempered safety glass panes (ESG-H)

Drainage

- Inclined floor construction and length-optimized webs
- End caps for lateral sealing of the bottom tracks

All glass sliding system / SF20 / Innovation



Mounting profile

The optionally available mounting profiles not only simplify the installation of the floor rails, but also have no visible screw connections.



aluminum handle

With the additional options for the aluminum handle, 90° corners and sash divisions to the left and right can now be opened and closed at any height.



Wall-mounted locking bar

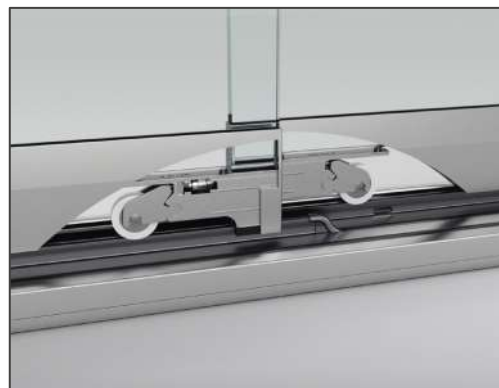
With the new flush-fitting lock in the outer frame, the sliding door can be easily locked and unlocked without bending down.

All glass sliding system / SF20 / Innovation



All glass lock

The new all-glass lock increases security and enables the use of a PZ, optionally for locking and unlocking from the inside and/or outside.



Runner

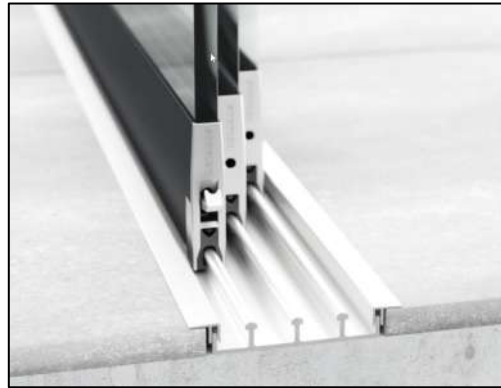
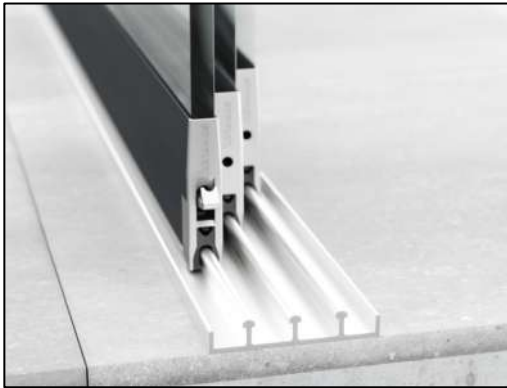
The runner body, swing arm (bearing of the track roller) and height adjustment have been reinforced and optimised. Improved bearings and track rollers ensure optimum running characteristics.



Carrier function

The new one-sided carriers automatically pull the next sliding sashes along when closing and enable easier cleaning of the panes.

All glass sliding system / SF20



Pressure-free drainage and very easy cleaning of the bottom rail thanks to the sloping bottom structure. The anti-slip covering ensures safe stepping on the floor rail.

All glass sliding system / SF20 / Mounting profile

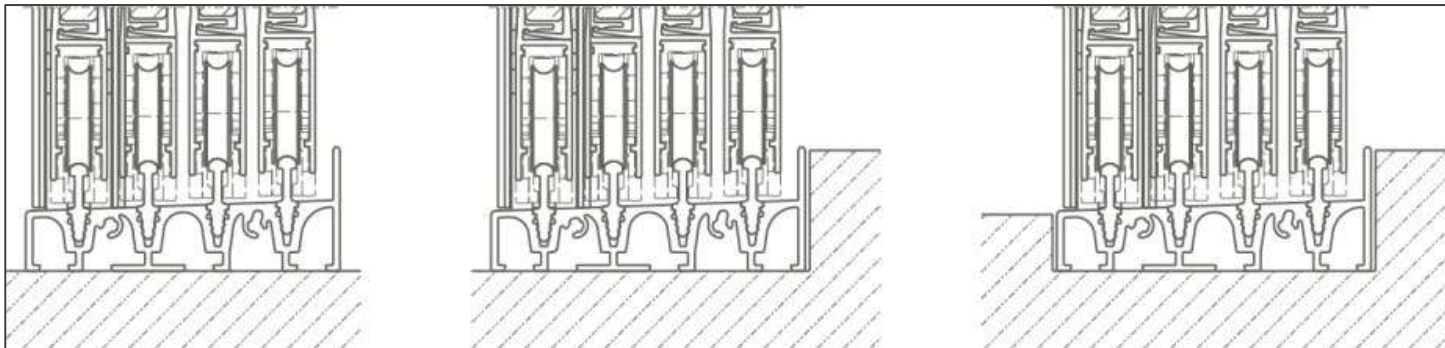


The assembly:

The mounting profile is aligned and fastened in the same way as the floor rail. The floor rail is then simply pushed onto the mounting profile from the front and secured with a clip that is attached from above.

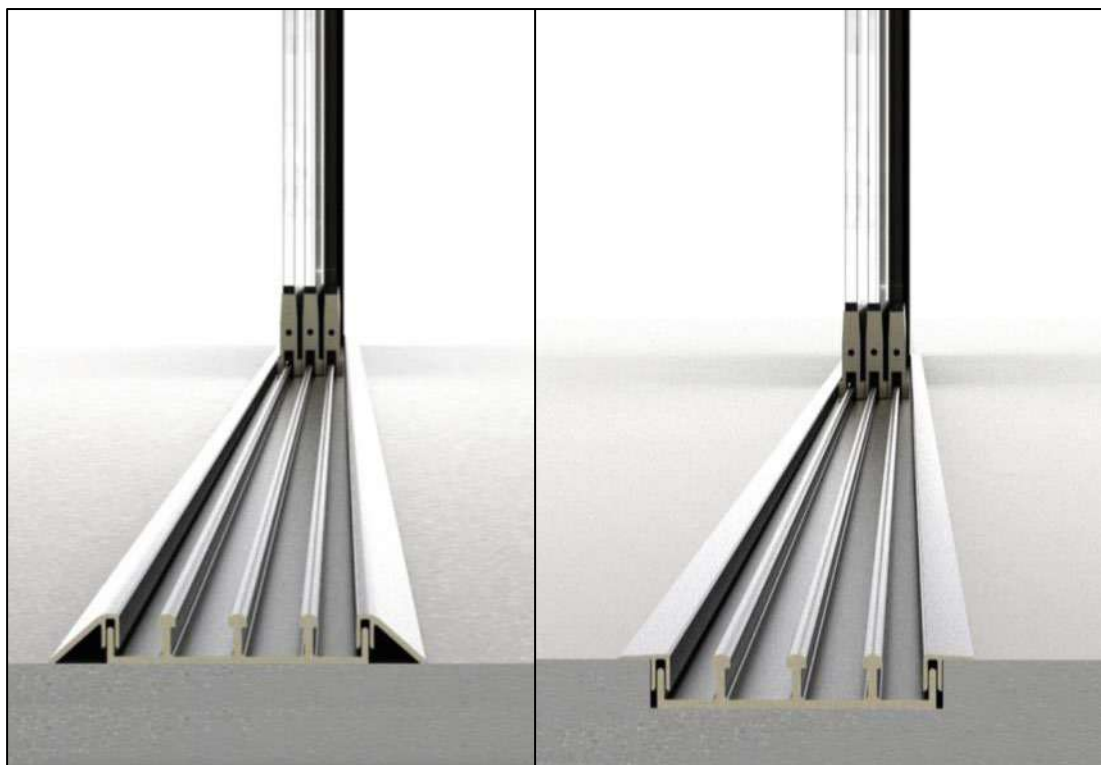
The mounting profile and the bracket are delivered in E6-EV1 as standard.

All glass sliding system / SF20 / Technic



Floor connection

All glass sliding system / SF20



The optionally available flat floor rail (height = 13 mm) is particularly suitable indoors for "barrier-free apartments" according to DIN 18025 - regardless of whether it is mounted or embedded in the floor.

All glass sliding system / SF20

Gap seals



without



PVC clear



aluminum E6-EV1



aluminum RAL 7016

All glass sliding system / SF20

Wall connections



All glass sliding system / SF20

Locking



Lever lock



Locking slider



Stainless steel handle
with PZ



Stainless steel handle
with PZ

All glass sliding system / SF20



Innen / außen // Interior / exterior



Innen / außen // Interior / exterior



Innen / außen // Interior / exterior



Innen / außen // Interior / exterior



Innen / außen // Interior / exterior



Types of handle

1. Plastic knob, Ø 50 mm 2. Stainless steel knob, Ø 50 mm 3. Recessed stainless-steel mould, Ø 80 mm
 4. Wall-mounted locking bar 5. aluminum handle 6. Stainless steel lock with profile cylinder 7. Stainless steel lock with profile cylinder (key inside/outside) with counter box (center) 8. Stainless steel handle with profile cylinder 9. Stainless steel handle with profile cylinder and counter box (center)

System SF22









Sliding system / SF22 with vertical profiles

Profile system

- Sliding system framend with vertical profiles and muntins (optionally)
- Bottom loaded/running construction
- Option of flush or weathered bottom track
- The flush bottom track is particularly suitable for use in „barrier-free dwellings“ according to DIN 18 025
- Height variations of 16 up to 20 mm can be compensated

Fittings

- All fittings are concealed within the profiles
- Low-maintenance, non-corroding and failsafe fittings
- Integrated followers automatically move the adjacent panels when closing the sliding panel
- Various handles and C-pull handles available for inside and outside
- Inside and/or outside locking possible
- Optionally with inside or outside lever lock

Sliding system / SF22 with vertical profiles

Tests / SF20

- Airborne sound insulation to $R_w = 17$ dB according to DIN EN ISO 10140-2
- Measurement of deflection class 4 according to DIN EN 12211/12210 (10 mm glass)
- Repeated pressure/wind suction class 4 according to DIN EN 12211/12210 (10 mm glass)
- Safety test class 4 according to DIN EN 12211/12210 (10 mm glass)

Running assembly

- Low-noise, ball bearing rollers with wear-resistant and low-maintenance running surfaces
- The carriages feature a height adjustment of up to 5 mm
- The load capacity of the carriages is 80 kg/panel (maximum panel weight)

Sealing and ventilation

- Sliding panels overlap vertically by approximately 25 mm
- Gap of approximately 8 mm between glass panels (when 10 mm glazing is used)
- Gap sealing via aluminum profile with brush gaskets
- Brush gaskets are fitted horizontally at the top and at the vertical frame on the inside and outside

Sliding system / SF22 with vertical profiles

Glazing

- 8 or 10 mm tempered safety glass panes (ESG-H)

Drainage

- Inclined floor construction and length-optimized webs
- End caps for lateral sealing of the bottom tracks

Sliding system / SF22 with vertical profiles



Floor rails

Sliding system / SF22 with vertical profiles



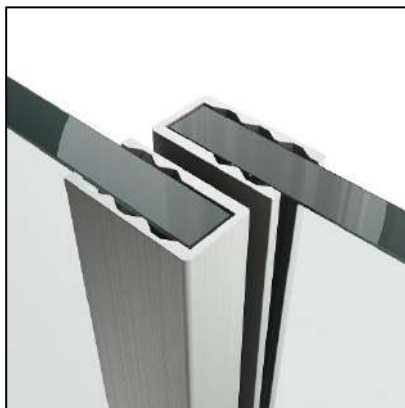
The assembly:

The mounting profile is aligned and fastened in the same way as the floor rail. The floor rail is then simply pushed onto the mounting profile from the front and secured with a clip that is attached from above.

The mounting profile and the bracket are delivered in E6-EV1 as standard.

Sliding system / SF22 with vertical profiles

Gap seals



without



aluminum E6-EV1



aluminum RAL 7016

Sliding system / SF22 with vertical profiles

Wall connections



System SF42









Sliding system / SF42

Profile system

- sliding system
- floor-mounted sliding system
- sliding to the left or right as desired
- narrow exterior views
- opening types: 2- or 3-track with up to 6 moving casements
- max. door casement height: 3000 mm
- construction depth: 2-track 65 / 40 mm, 3-track 115 / 40 mm

Sliding system / SF42

Fittings

- all fittings are concealed within the profiles
- low-maintenance, non-corroding and failsafe hardware components
- integrated followers automatically move the adjacent panels when closing the sliding panel
- Verriegelung von innen und/oder aussen möglich

Running assembly

- low-noise, ball bearing rollers with wear-resistant and low-maintenance running surfaces
- 180 kg/panel (maximum panel weight)

Verglasung

- glass thicknesses to 20 mm are possible

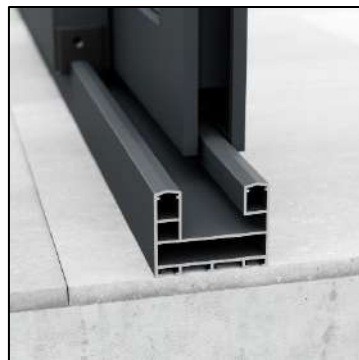
SF20

SF22

SF42



Sliding system / SF42



Floor rails

Sliding system / SF42



Locking



Locking



Handle



Slide and Turn Systems

System SF25









Slide and Turn System / SF25

Profile system

- Frameless all-glass slide and turn system
- Option of flush or weathered bottom track
- Optionally with lateral aluminum panel profiles to close the ventilation gap
- The flush bottom track is particularly suitable for use in „Barrier-free dwellings“ according to DIN 18 025
- Panels can be stacked open either internally or externally
- Opening of panels by sliding to one side or to both sides
- Optionally with or without lateral vertical frame profiles
- Height variations can be compensated by a height compensation profile

Slide and Turn System / SF25

Tests

- Measurement of deflection to DIN EN 12211/12210 (8, 10, 12 mm glass) with turn knob (standard)
- Measurement of deflection to DIN EN 12211/12210 (8, 10, 12 mm glass) with additional storm locking
- Deflection windload P1 +-800 Pa class 2 / P1 +-1600 Pa class 4
- Repeated pressure/wind suction P2 +-400 Pa class 2 / P2 +-800 Pa class 4
- Safety test P3 +-1200 class 2 / P2 +-2400 Pa class 4
- Measurement of deflection to DIN EN 12211/12210 (8, 10, 12 mm glass), with locking profil
- Repeated pressure/wind suction class 3 according to DIN EN 12211/12210 (8, 10 mm glass)
- Deflection windload P1 +-2000 Pa class 5
- Repeated pressure/wind suction P2 +-1000 Pa class 5
- Safety test P3 +-3000 class 5

Slide and Turn System / SF25

Fittings

- All fittings are concealed within the profiles
- Low-maintenance, non-corroding and failsafe fittings
- Inside and/or outside locking and unlocking possible
- Locking and unlocking via turning knob
- Optionally with lever lock ("child-proof")

Slide and Turn System / SF25

Running assembly

- Top running, low-maintenance horizontal running assemblies, each equipped with two rollers
- The running assemblies feature each three smooth-running needle bearings and two carbon fibre reinforced polyamide rollers
- Running assemblies out of stainless steel metal components
- Low-noise, low-wear, heat and cold resistant running surfaces
- Running assemblies pivot at any angle between 90° and 180°

Sealing and ventilation

- Ventilation gap of approximatively 2-4 mm
- Optionally with transparent PVC-gap gasket to close the ventilation gap
- Optionally with aluminum profiles to close the ventilation gap
- Brush gaskets are fitted horizontally at the top and bottom on the inside and outside
- Lower and upper brush gaskets are attached to the panel frames and not to the bottom track

Slide and Turn System / SF25

Glazing

- 8, 10 and 12 mm tempered safety glass panes (ESG-H)
- Panes secured via concealed screw-fixing system in top and bottom panel profiles
- Subsequent replacement of panes without difficulty
- Subsequent replacement of panels without difficulty

Drainage

- Unpressurised drainage via inclined floor construction
- Integrated water drainage channel on inside of bottom track
- End-caps for lateral sealing of bottom track

Slide and Turn System / SF25

Floor rails



attached



recessed



Slide and Turn System / SF25



Height compensation profile

The HCP allows a height adjustment of up to 22 mm.



Height compensation profile

HCP with vertical flange.



Height compensation profile

HCP with horizontal flange, screw cover by clip panel.

Slide and Turn System / SF25

Handles and locking



Turn knob



Handle set



Locking profile



Side lock

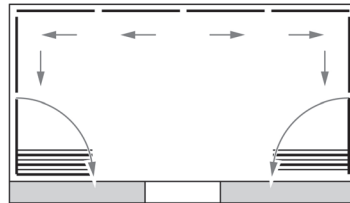
Slide and Turn System / SF25

Wall connections

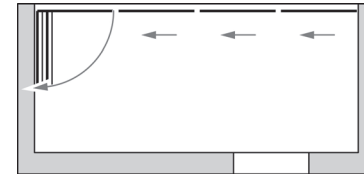


Slide and Turn System / SF25

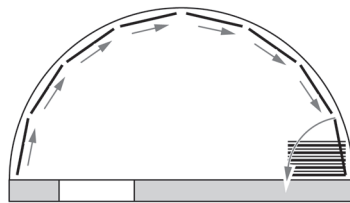
Geometries



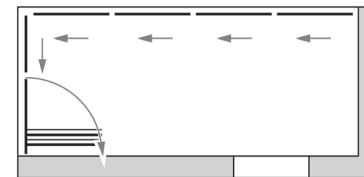
Angled systems



Straight systems



Segmented systems



Angle 90°-180°

System SF30









Slide and Turn System / SF30

Profile system

- Standing slide and turn system
- Non-thermally insulated aluminum profiles with tempered safety glass
- The flush bottom track is particularly suitable for use in „Barrier-free dwellings“ according to DIN 18 025
- Panels can be stacked open either internally or externally
- Opening of panels by sliding to one side or to both sides
- Height variations can be compensated by a height compensation profile

Slide and Turn System / SF30

Tests

- Safety test class 4 according to DIN EN 12211/12210 (10 mm Glas)

Fittings

- All fittings are concealed in the profiles
- Low-maintenance, non-rusting and mishandling-proof fittings
- Locking and unlocking possible from inside and/or outside
- Locking and unlocking by rotary knob
- Optionally with PZ lock ("child safety")

Slide and Turn System / SF30

Running assembly

- The running assemblies consist of four vertically arranged rollers
- Low-noise, low-wear, heat and cold resistant running surfaces
- Running assemblies pivot at any angle between 90° and 180°

Sealing and ventilation

- Tongue and groove system between the panels
- Brush seals are used horizontally at the top and bottom, at the inside and outside
- Lower and upper brush gaskets are attached to the panel frames and not to the guide track

Slide and Turn System / SF30

Glazing

10, and 12 mm tempered safety glass panes (ESG-H)

Panes width of up to 15 mm is possible

Panes secured via concealed screw-fixing system in top and bottom panel profiles

Subsequent replacement of panes without difficulty

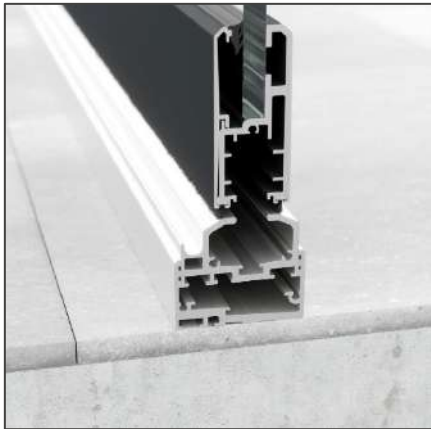
Subsequent replacement of panels without difficulty

Drainage

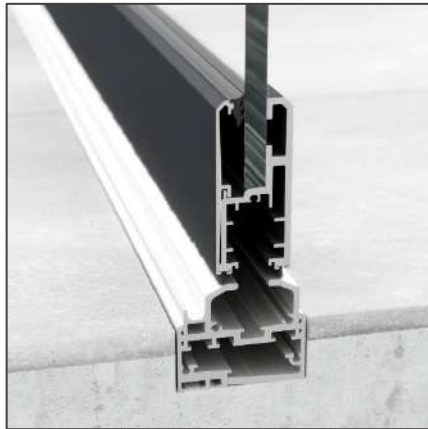
- Unpressurised drainage via inclined floor construction
- Integrated water drainage channel on inside of bottom track
- End-caps for lateral sealing of bottom track

Slide and Turn System / SF30

Floor rails



attached



recessed

Slide and Turn System / SF30

Handles and locking



Turn knob



Handle set



Locking profile



Side lock

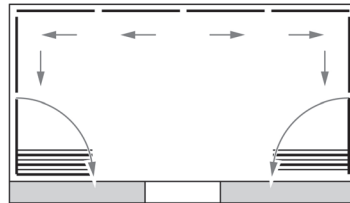
Slide and Turn System / SF30

Wall connections

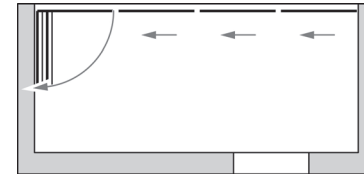


Slide and Turn System / SF30

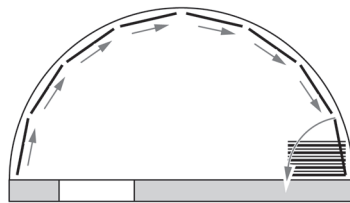
Geometries



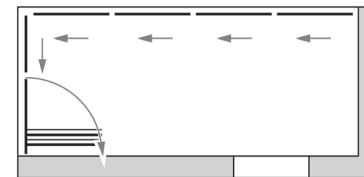
Angled systems



Straight systems



Segmented systems



Angle 90°-180°

System SF35









Slide and Turn System / SF35

Profile system

- Framed slide and turn system
- Non-thermally insulated aluminum profiles with insulated glass
- Option of flush or weathered bottom track
- The flush bottom track is particularly suitable for use in „Barrier-free dwellings“ according to DIN 18 025
- Panels can be stacked open either internally or externally
- Opening of panels by sliding to one side or to both sides
- Optionally with or without lateral vertical frame profiles
- Height variations can be compensated by a height compensation profile

Slide and Turn System / SF35

Tests

- Airborne sound insulation $R_w = 30$ dB according to DIN EN ISO 140-3
- Measurement of deflection class 3 according to DIN EN 12211/12210 (20 mm glass (4/12/4))
- Repeated pressure/wind suction class 3 according to DIN EN 12211/12210 (20 mm glass (4/12/4))
- Safety test class 3 according to DIN EN 12211/12210 (20 mm glass (4/12/4))

Fittings

- All fittings are concealed within the profiles
- Low-maintenance, non-corroding and failsafe fittings
- Inside and/or outside locking and unlocking possible
- Locking and unlocking via pull rod or turning knob
- Optionally with lever lock ("child-proof")

Slide and Turn System / SF35

Running assembly

- Top running, low-maintenance horizontal running assemblies, each equipped with two rollers
- The running assemblies feature each three smooth-running needle bearings and two carbon fibre reinforced polyamide rollers
- Running assemblies out of stainless steel metal components
- Low-noise, low-wear, heat and cold resistant running surfaces
- Running assemblies pivot at any angle between 90° and 180°

Sealing and ventilation

- Tongue and groove system between the panels
- Brush gaskets are fitted horizontally at the top and bottom on the inside and outside
- Lower and upper brush gaskets are attached to the panel frames and not to the guide track

Slide and Turn System / SF35

Glazing

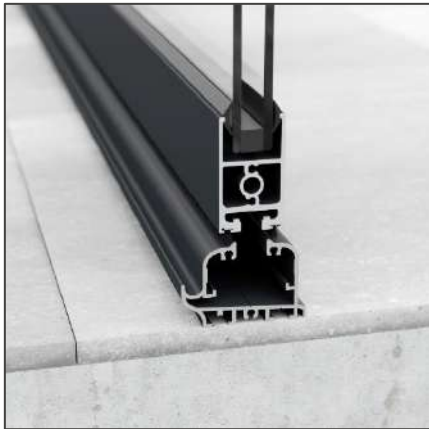
- Insulated glass of 18 or 20 mm possible
- Subsequent replacement of panels without difficulty

Drainage

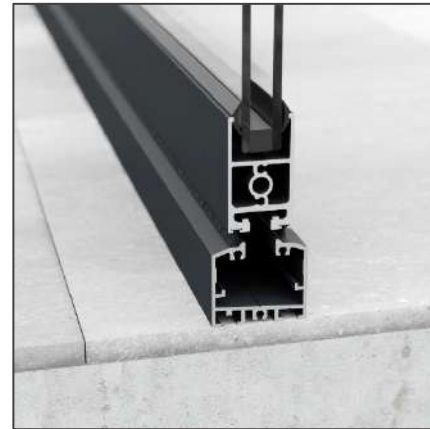
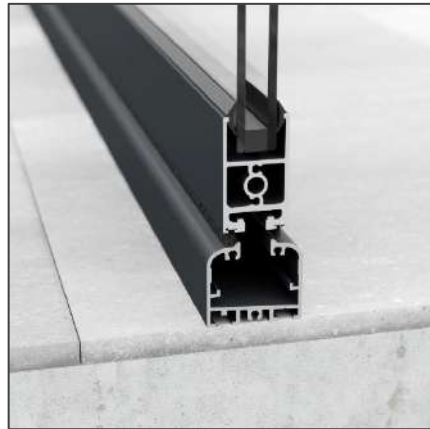
- Unpressurised drainage via inclined floor construction
- Integrated water drainage channel on inside of bottom track
- End-caps for lateral sealing of bottom track

Slide and Turn System / SF35

Floor rails



attached



recessed

Slide and Turn System / SF35



Height compensation profile

The HCP allows a height adjustment of up to 22 mm.



Height compensation profile

HCP with vertical flange.



Height compensation profile

HCP with horizontal flange, screw cover by clip panel.

Slide and Turn System / SF35

Locking



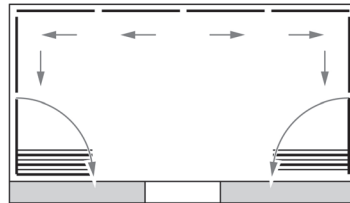
**Locking profile
without PZ**



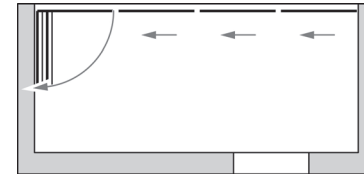
**Locking profile
with PZ**

Slide and Turn System / SF35

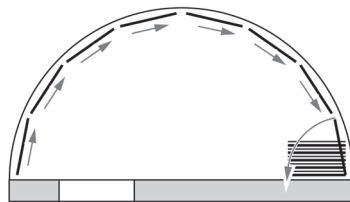
Geometries



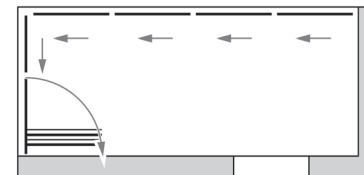
Angled systems



Straight systems



Segmented systems



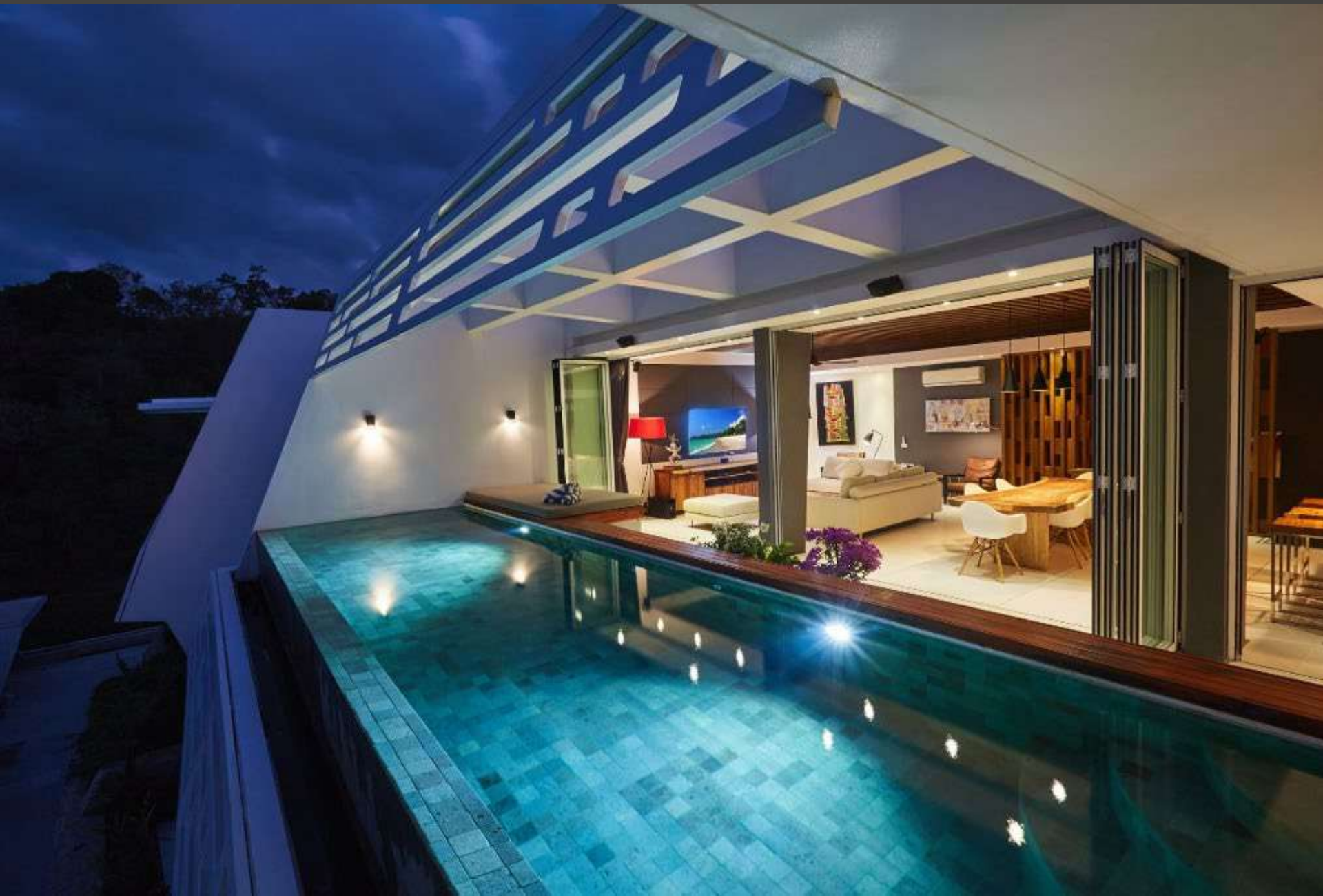
Angle 90°-180°



Glazed Folding Doors

System SF45









Glazed Folding Door / SF45

Profile system

- Glass folding door with non-thermally insulated aluminum profiles
- Bottom-loaded construction
- The construction depth of the profiles is 45 mm
- Option of flush or weathered bottom track
- The flush bottom track is particularly suitable for use in „Barrier-free dwellings“ according to DIN 18 025
- Panel open to the inside or outside
- Opening of panels by sliding to one side or to both sides
- Flush running and guide tracks
- Height variations and expansions may be compensated

Glazed Folding Door / SF45

Fittings

- All fittings are concealed within the profiles
- Low-maintenance, non-corroding and failsafe hardware components
- Locking of panels in top and bottom track and/or via mushroom head-lock engaging into the frame or adjacent panel
- Locking and unlocking of panels via flat handles with locking device for burglar resistance
- Optionally fitted with different lock types
- Hinges are secured against knocking-out of the pivot pins (burglar resistance)
- An open turn panel may be securely fixed to the adjacent panel by panel catchers

Glazed Folding Door / SF45

Sealing and ventilation

- Using EPDM gaskets at two levels guarantees rain- and wind-proofness

Glazing

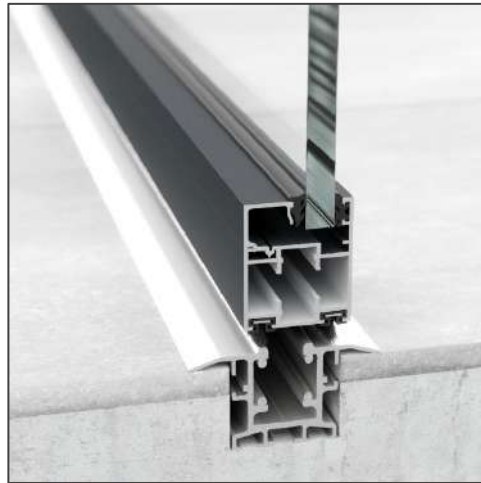
- A glazing configuration between 6 mm to 24 mm is possible
- Subsequent replacement of panes without difficulty

Glazed Folding Door / SF45

Floor rails



attached



recessed

SF45

SF55e

SF55

SF55c

SF75

SF75c



Glazed Folding Door / SF45

Handles



L-Handle



L-Handle
with attached
rosette



Folding handle



Folding handle
with attached
rosette



**Stainless steel
handle**

System SF55e









Glazed Folding Door / SF55e

Profile system

- Glass folding door with thermally insulated aluminum profiles
- Bottom-loaded construction
- The construction depth of the profiles is 55 mm
- Option of flush or weathered bottom track
- The flush bottom track is particularly suitable for use in „Barrier-free dwellings“ according to DIN 18 025
- Panel open to the inside or outside
- Opening of panels by sliding to one side or to both sides
- Flush running and guide tracks
- Height variations and expansions may be compensated
- Element heights of up to 3.000 mm
- In the standard version the max. panel weight is 60 kg

Glazed Folding Door / SF55e

Fittings

- All fittings are concealed within the profiles
- Low-maintenance, non-corroding and failsafe hardware components
- Locking of panels in top and bottom track and/or via mushroom head-lock engaging into the frame or adjacent panel
- Locking and unlocking of panels via flat handles with locking device for burglar resistance
- Optionally fitted with different lock types
- Hinges are secured against knocking-out of the pivot pins (burglar resistance)
- An open turn panel may be securely fixed to the adjacent panel by panel catchers

Glazed Folding Door / SF55e

Running assembly

- Easy adjustment due to a height-adjustable carriage system
- The running assemblies are located above the water drainage area
- Low-noise, wear-, heat- and cold-resistant rollers

Sealing and ventilation

- Using EPDM gaskets at two levels guarantees rain- and wind-proofness

Verglasung

- A glazing configuration between 8 mm to 36 mm is possible
- Subsequent replacement of panes without difficulty

SF45

SF55e

SF55

SF55c

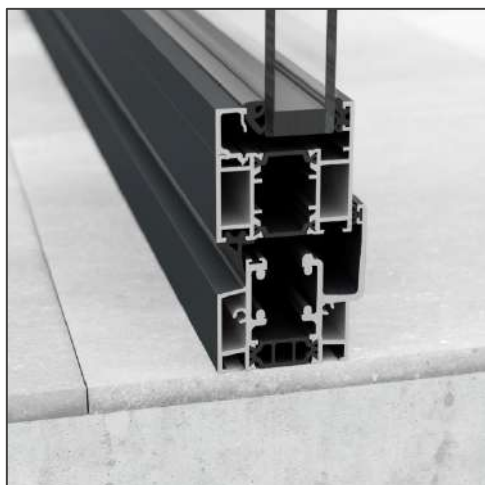
SF75

SF75c

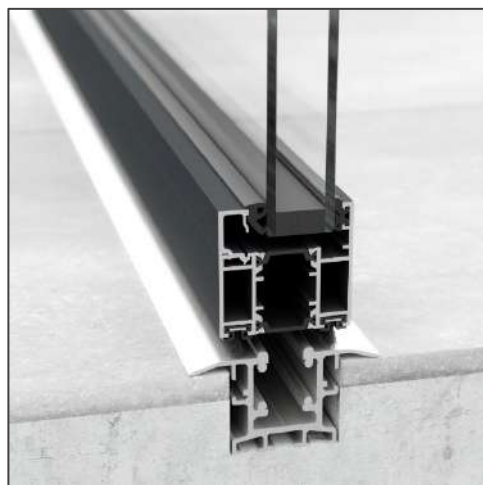


Glazed Folding Door / SF55e

Floor rails



attached



recessed

SF45

SF55e

SF55

SF55c

SF75

SF75c



Glazed Folding Door / SF55e

Handles



L-Handle



L-Handle
with attached
rosette



Folding handle



Folding handle
with attached
rosette



**Stainless steel
handle**

SF45

SF55e

SF55

SF55c

SF75

SF75c



System SF55









Glazed Folding Door / SF55

Profile system

- Glass folding door with thermally insulated aluminum profiles
- Bottom-loaded construction
- The construction depth of the profiles is 55 mm
- Option of flush or weathered bottom track
- The flush bottom track is particularly suitable for use in „Barrier-free dwellings“ according to DIN 18 025
- Panel open to the inside or outside
- Opening of panels by sliding to one side or to both sides
- Flush running and guide tracks
- Height variations and expansions may be compensated

Glazed Folding Door / SF55

Test

- U_w up to 1,5 W/m²k (with glazing $U_g = 0,7$ W/m²k)
- Air permeability class 4 according to EN 12207
- Rain tightness class E900 according to EN 12208
- Resistance to wind load class B4 according to EN 12210
- Airborne sound insulation value $R_w = 36$ dB according to DIN EN ISO 140-3
- Burglar-resistance up to resistance class 2 (RC2)

Glazed Folding Door / SF55

Fittings

- All fittings are concealed within the profiles
- Low-maintenance, non-corroding and failsafe hardware components
- Locking of panels in top and bottom track and/or via mushroom head-lock engaging into the frame or adjacent panel
- Locking and unlocking of panels via flat handles with locking device for burglar resistance
- Optionally fitted with different lock types
- Hinges are secured against knocking-out of the pivot pins (burglar resistance)
- An open turn panel may be securely fixed to the adjacent panel by panel catchers

Glazed Folding Door / SF55

Running assembly

- Easy adjustment due to a height-adjustable carriage system
- The running assemblies are located above the water drainage area
- Low-noise, wear-, heat- and cold-resistant rollers

Sealing and ventilation

- Using EPDM gaskets at two levels guarantees rain- and wind-proofness

Glazing

- A glazing configuration between 8 mm to 36 mm is possible
- Subsequent replacement of panes without difficulty

SF45

SF55e

SF55

SF55c

SF75

SF75c

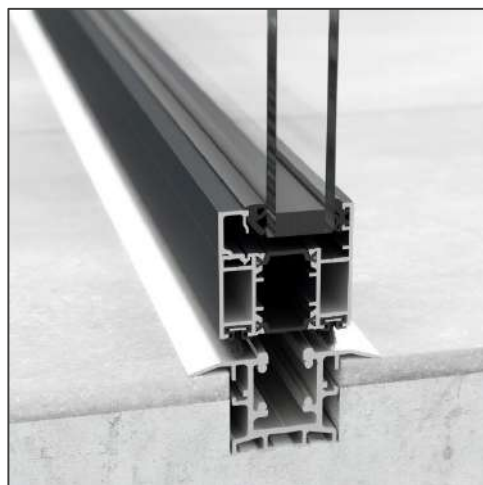


Glazed Folding Door / SF55

Floor rails



attached



recessed

SF45

SF55e

SF55

SF55c

SF75

SF75c



Glazed Folding Door / SF55

Handles



L-Handle



L-Handle
with attached
rosette



Folding handle



Folding handle
with attached
rosette



**Stainless steel
handle**

SF45

SF55e

SF55

SF55c

SF75

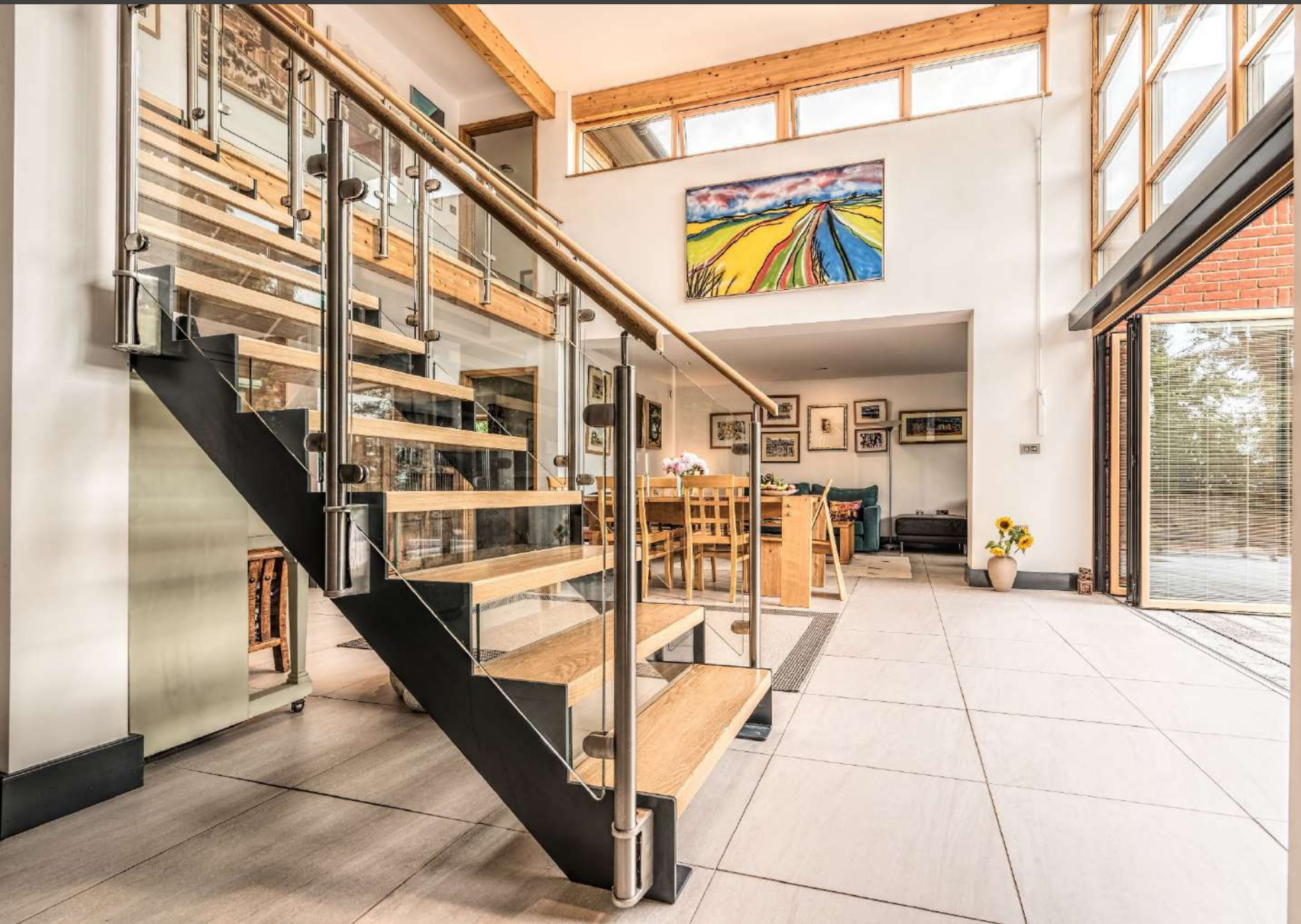
SF75c



System SF55c









Glazed Folding Door / SF55c

Profile system

- Glass folding door with thermally insulated aluminum profiles
- Bottom-loaded construction
- The construction depth of the profiles is 75 mm
- Rear-ventilated wooden cladding inside
- Option of flush or weathered bottom track
- The flush bottom track is particularly suitable for use in „Barrier-free dwellings“ according to DIN 18 025
- Panel open to the inside or outside
- Opening of panels by sliding to one side or to both sides
- Flush running and guide tracks
- Height variations and expansions may be compensated

Glazed Folding Door / SF55c

Tests

- U_w up to 1,5 W/m²k (with glazing $U_g = 0,7$ W/m²k)
- Air permeability class 4 according to EN 12207
- Rain tightness class E900 according to EN 12208
- Resistance to wind load class B4 according to EN 12210
- Airborne sound insulation value $R_w = 36$ dB according to DIN EN ISO 140-3
- Burglar-resistance up to resistance class 2 (RC2)

Glazed Folding Door / SF55c

Fittings

- All fittings are concealed within the profiles
- Low-maintenance, non-corroding and failsafe hardware components
- Locking of panels in top and bottom track and/or via mushroom head-lock engaging into the frame or adjacent panel
- Locking and unlocking of panels via flat handles with locking device for burglar resistance
- Optionally fitted with different lock types
- Hinges are secured against knocking-out of the pivot pins (burglar resistance)
- An open turn panel may be securely fixed to the adjacent panel by panel catchers

Glazed Folding Door / SF55c

Running assembly

- Easy adjustment due to a height-adjustable carriage system
- The running assemblies are located above the water drainage area
- Low-noise, wear-, heat- and cold-resistant rollers

Sealing and ventilation

- Using EPDM gaskets at two levels guarantees rain- and wind-proofness

Glazing

- Glazing configuration between 28 mm is possible
- Subsequent replacement of panes without difficulty

SF45

SF55e

SF55

SF55c

SF75

SF75c

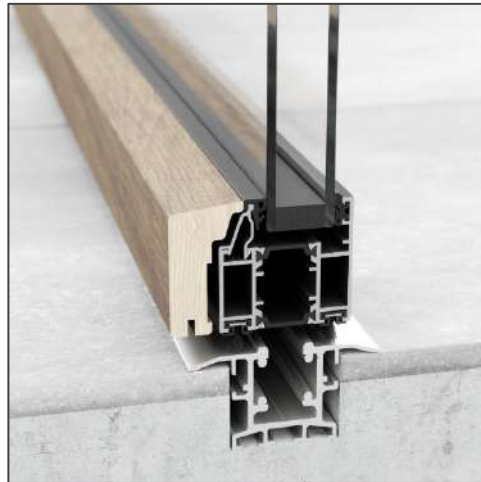


Glazed Folding Door / SF55c

Floor rails



attached



recessed

SF45

SF55e

SF55

SF55c

SF75

SF75c



Glazed Folding Door / SF55c

Handles



L-Handle



L-Handle
with attached
rosette



Folding handle



Folding handle
with attached
rosette



**Stainless steel
handle**

System SF75









Glazed Folding Door / SF75

Profile system

- Glass folding door with thermally insulated aluminum profiles
- Bottom-loaded construction
- The construction depth of the profiles is 75 mm
- Rear-ventilated wooden cladding inside
- Option of flush or weathered bottom track
- The flush bottom track is particularly suitable for use in „Barrier-free dwellings“ according to DIN 18 025
- Panel open to the inside or outside
- Opening of panels by sliding to one side or to both sides
- Flush running and guide tracks
- Height variations and expansions may be compensated

Glazed Folding Door / SF75

Tests

- U_w up to 1,5 W/m²k (with glazing $U_g = 0,7$ W/m²k)
- Air permeability class 4 according to EN 12207
- Rain tightness class E900 according to EN 12208
- Resistance to wind load class B4 according to EN 12210
- Airborne sound insulation value $R_w = 36$ dB according to DIN EN ISO 140-3
- Burglar-resistance up to resistance class 2 (RC2)

Glazed Folding Door / SF75

Fittings

- All fittings are concealed within the profiles
- Low-maintenance, non-corroding and failsafe hardware components
- Locking of panels in top and bottom track and/or via mushroom head-lock engaging into the frame or adjacent panel
- Locking and unlocking of panels via flat handles with locking device for burglar resistance
- Optionally fitted with different lock types
- Hinges are secured against knocking-out of the pivot pins (burglar resistance)
- An open turn panel may be securely fixed to the adjacent panel by panel catchers

Glazed Folding Door / SF75

Running assembly

- Easy adjustment due to a height-adjustable carriage system
- The running assemblies are located above the water drainage area
- Low-noise, wear-, heat- and cold-resistant rollers

Sealing and ventilation

- Using EPDM gaskets at two levels guarantees rain- and wind-proofness

Glazing

- Glazing configuration between 28 mm is possible
- Subsequent replacement of panes without difficulty

SF45

SF55e

SF55

SF55c

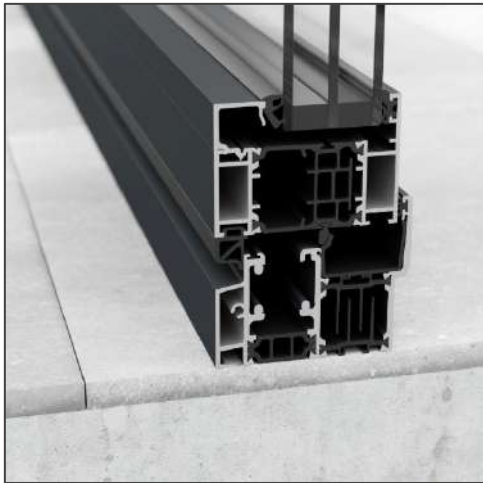
SF75

SF75c

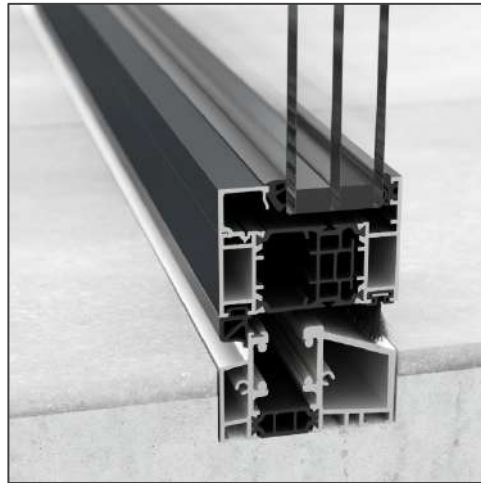


Glazed Folding Door / SF75

Floor rails



attached



recessed

SF45

SF55e

SF55

SF55c

SF75

SF75c



Glazed Folding Door / SF75

Handles



L-Handle



L-Handle
with attached
rosette



Folding handle



Folding handle
with attached
rosette



**Stainless steel
handle**

System SF75c









Glazed Folding Door / SF75c

Profile system

- Glass folding door with highly thermally insulated aluminum profiles
- Bottom-loaded construction
- The construction depth of the profiles is 95 mm
- Rear-ventilated wooden cladding inside
- Option of flush or weathered bottom track
- The flush bottom track is particularly suitable for use in „Barrier-free dwellings“ according to DIN 18 025
- Panel open to the inside or outside
- Opening of panels by sliding to one side or to both sides
- Flush running and guide tracks
- Height variations and expansions may be compensated

Glazed Folding Door / SF75c

Tests

- U_w up to 1,0 W/m²k (with glazing $U_g = 0,5$ W/m²k)
- Air permeability class 4 according to EN 1026
- Rain tightness class 9A according to EN 1027
- Resistance to wind load class B5/C4 according to EN 12210
- Airborne sound insulation value $R_w = 36$ dB according to DIN EN ISO 140-3
- Burglar-resistance up to resistance class 2 (RC2)

Glazed Folding Door / SF75c

Fittings

- All fittings are concealed within the profiles
- Low-maintenance, non-corroding and failsafe hardware components
- Locking of panels in top and bottom track and/or via mushroom head-lock engaging into the frame or adjacent panel
- Locking and unlocking of panels via flat handles with locking device for burglar resistance
- Optionally fitted with different lock types
- Hinges are secured against knocking-out of the pivot pins (burglar resistance)
- An open turn panel may be securely fixed to the adjacent panel by panel catchers

Glazed Folding Door / SF75c

Running assembly

Easy adjustment due to a height-adjustable carriage system

The running assemblies are located above the water drainage area

Low-noise, wear-, heat- and cold-resistant rollers

Sealing and ventilation

Using EPDM gaskets at two levels guarantees rain- and wind-proofness

Glazing

Glazing configuration 40, 48 mm possible

- Subsequent replacement of panes without difficulty

SF45

SF55e

SF55

SF55c

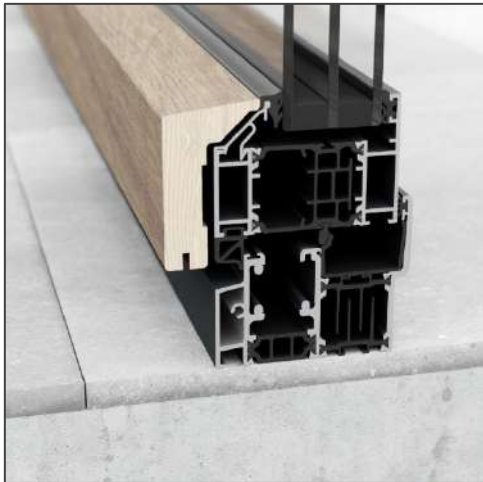
SF75

SF75c

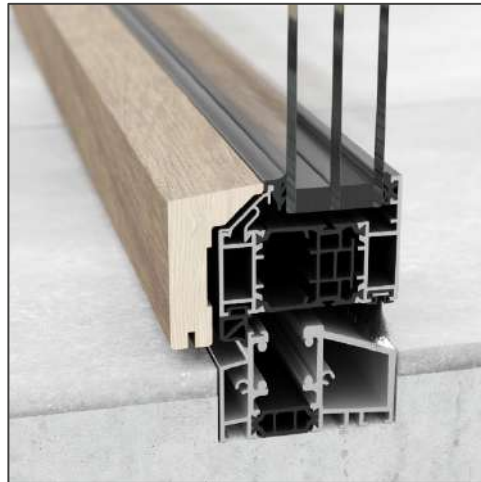


Glazed Folding Door / SF75c

Floor rails



attached



recessed

SF45

SF55e

SF55

SF55c

SF75

SF75c



Glazed Folding Door / SF75c

Handles



L-Handle



L-Handle
with attached
rosette



Folding handle



Folding handle
with attached
rosette



**Stainless steel
handle**



Horizontal Sliding Walls

System SF40 H-S-W









Horizontal Sliding Wall / SF40 H-S-W

Profile system

- All-glass horizontal sliding wall
- Top hung construction consisting of individually sliding panels
- Panels open to the inside, outside or to the center
- Opening of panels by sliding to one side or to both sides
- Optionally with revolving blind frame
- Height adjustment after installation possible

Horizontal Sliding Wall / SF40 H-S-W

Fittings

- All fittings are concealed within the profiles
- Low-maintenance, non-corroding and failsafe hardware components
- Elements are locked via a floor bolt
- An integrated pass through panel with a lever-operated multiple locking system, lock and profile cylinder can be provided

Running assembly

- Each element is guided by two running assemblies sliding in a ceiling mounted aluminum track
- Low-noise, low-wear, heat- and cold-resistant rollers
- Running assemblies pivot at any angle between 90° and 180°

Horizontal Sliding Wall / SF40 H-S-W

Sealing and ventilation

- Vertical gap of approximately 3 mm between the panels
- Gap may be closed by fitting gap gaskets
- Brush gaskets are fitted horizontally at the top and bottom on the inside and outside
- Lower and upper brush gaskets are attached to the panel frames and not to the guide tracks

Glazing

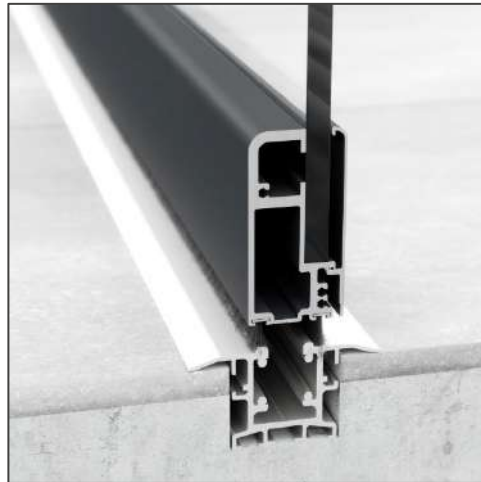
- 8, 10 and 12 mm tempered safety glass panes (ESG-H)
- Panes secured via concealed screw-fixing system in top and bottom panel profiles
- Subsequent replacement of panes without difficulty
- Subsequent replacement of panels without difficulty

Horizontal Sliding Wall / SF40 H-S-W

Floor rails



attached



recessed

Horizontal Sliding Wall / SF40 H-S-W

Handles



**Stainless stell
knob**



All glass lock

Locking

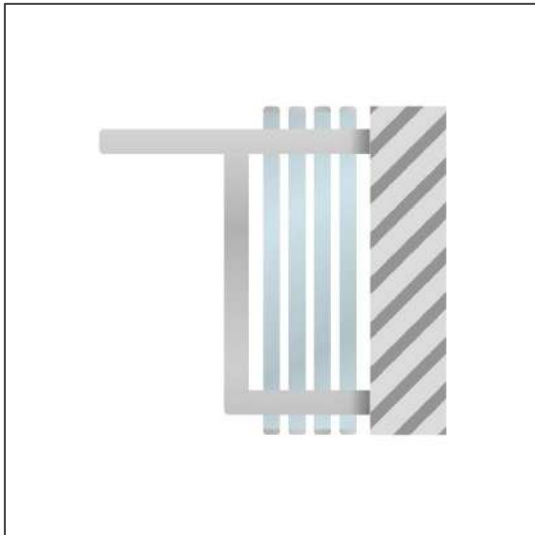


Integreted turn panel

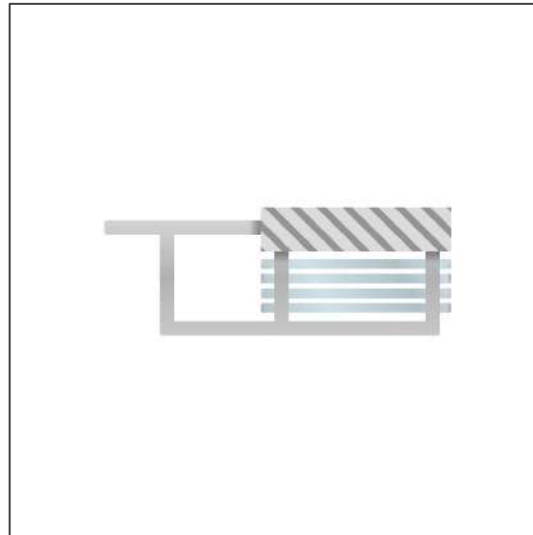


Horizontal Sliding Wall / SF40 H-S-W

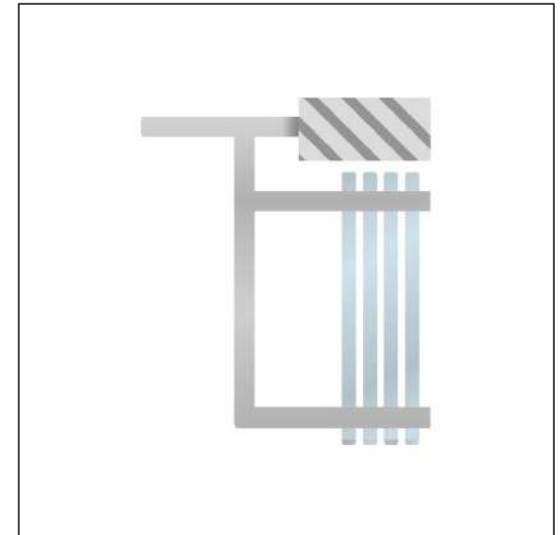
Parking bay



Type 1



Type 2



Type 3

System SF50 H-S-W









Horizontal Sliding Wall / SF50 H-S-W

Profile system

- Horizontal sliding wall with non-thermally insulated aluminum profiles
- Top hung construction consisting of individually sliding panels
- The construction depth of the profiles is 55 mm
- Panels can be optionally opened and parked inwards, outwards or centrally
- Panels open to the inside, outside or to the center
- Opening of panels by sliding to one side or to both sides
- Optionally with revolving blind frame
- Height adjustment after installation possible

Horizontal Sliding Wall / SF50 H-S-W

Fittings

- All fittings are concealed within the profiles
- Low-maintenance, non-corroding and failsafe hardware components
- Panels are locked via rods engaging by about 22 mm into the floor
- Locking and unlocking of panels via flat handles with locking device for burglar resistance
- The panels may be additionally secured by means of a profile cylinder lock
- An integrated pass through panel with a lever-operated multiple locking system, lock and profile cylinder can be provided

Horizontal Sliding Wall / SF50 H-S-W

Running assembly

- Each element is guided by two running assemblies sliding in a ceiling mounted aluminum track
- Low-noise, low-wear, heat- and cold-resistant rollers
- Running assemblies pivot at any angle between 90° and 180°

Sealing and ventilation

- Using EPDM gaskets at two levels guarantees rain- and wind-proofness in the vertical panel joint
- Double brush gaskets with flexible plastic base are fitted horizontally at the bottom

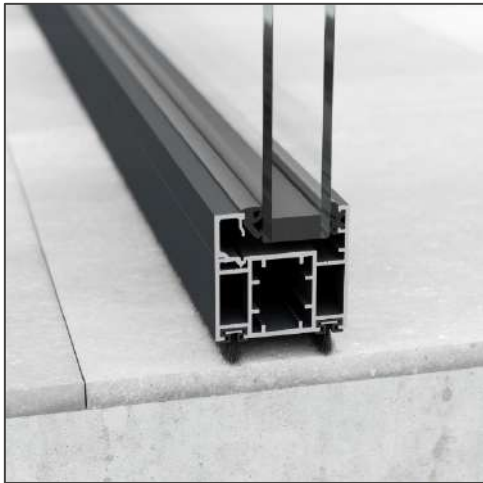
Horizontal Sliding Wall / SF50 H-S-W

Glazing

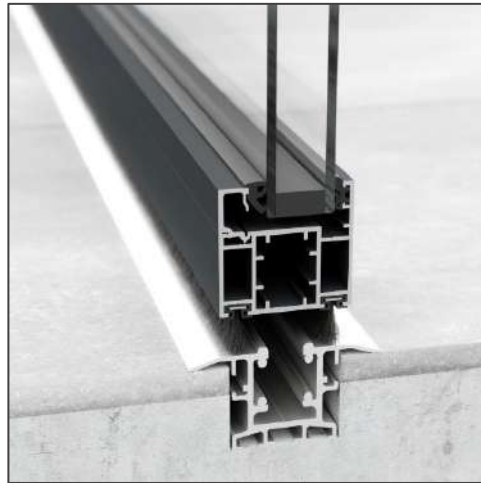
- A glazing configuration of 8 mm to 36 mm is possible
- Subsequent replacement of panes without difficulty
- Subsequent replacement of panels without difficulty

Horizontal Sliding Wall / SF50 H-S-W

Floor rails



attached



recessed

Horizontal Sliding Wall / SF50 H-S-W

Handles



L-Handle



L-Handle
with attached
rosette



Folding handle



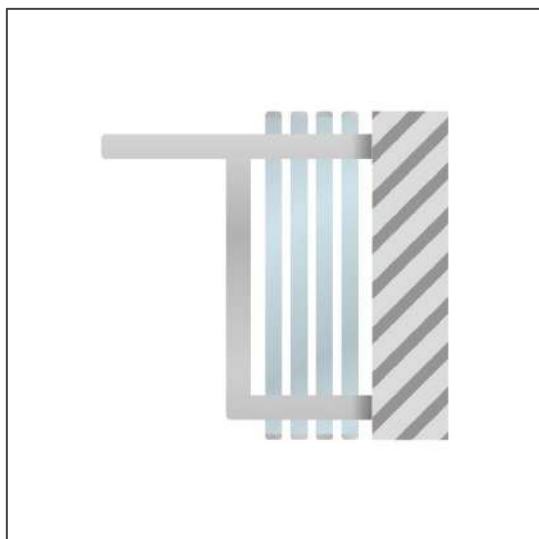
Folding handle
with attached
rosette



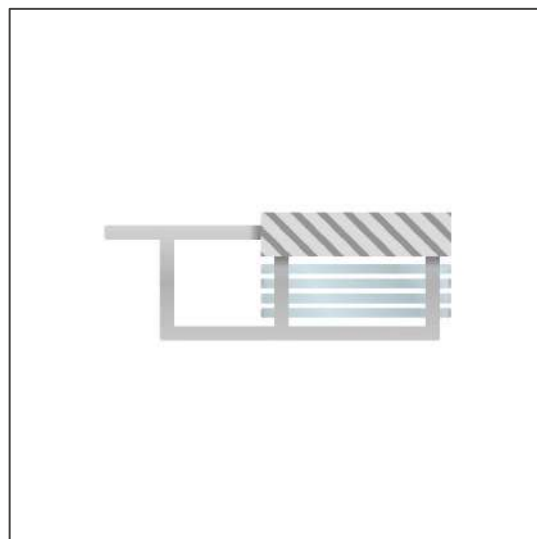
**Stainless steel
handle**

Horizontal Sliding Wall / SF50 H-S-W

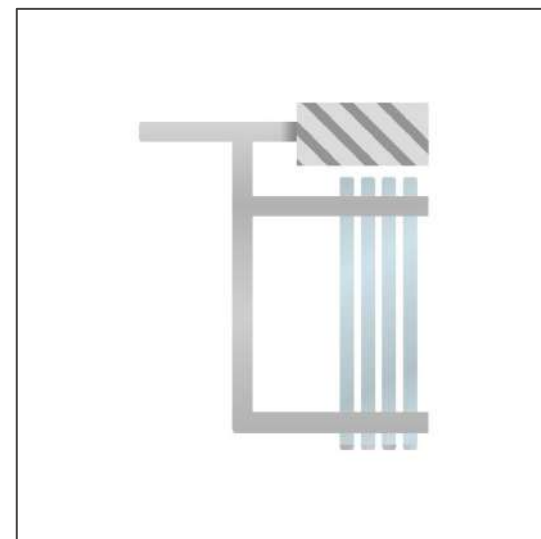
Parking bay



Type 1



Type 2



Type 3

System SF55 H-S-W









Horizontal Sliding Wall / SF55 H-S-W

Profile system

- Horizontal sliding wall with thermally insulated aluminum profiles
- Top hung construction consisting of individually sliding panels
- The construction depth of the profiles is 55 mm
- Panels can be optionally opened and parked inwards, outwards or centrally
- Panels open to the inside, outside or to the center
- Opening of panels by sliding to one side or to both sides
- Optionally with revolving blind frame
- Height adjustment after installation possible

Horizontal Sliding Wall / SF55 H-S-W

Fittings

- All fittings are concealed within the profiles
- Low-maintenance, non-corroding and failsafe hardware components
- Panels are locked via rods engaging by about 22 mm into the floor
- Locking and unlocking of panels via flat handles with locking device for burglar resistance
- The panels may be additionally secured by means of a profile cylinder lock
- An integrated pass through panel with a lever-operated multiple locking system, lock and profile cylinder can be provided

Horizontal Sliding Wall / SF55 H-S-W

Running assembly

- Each element is guided by two running assemblies sliding in a ceiling mounted aluminium track
- Low-noise, low-wear, heat- and cold-resistant rollers
- Running assemblies pivot at any angle between 90° and 180°
- Sealing and ventilation
- Using EPDM gaskets at two levels guarantees rain- and wind-proofness in the vertical panel joint
- Double brush gaskets with flexible plastic base are fitted horizontally at the bottom

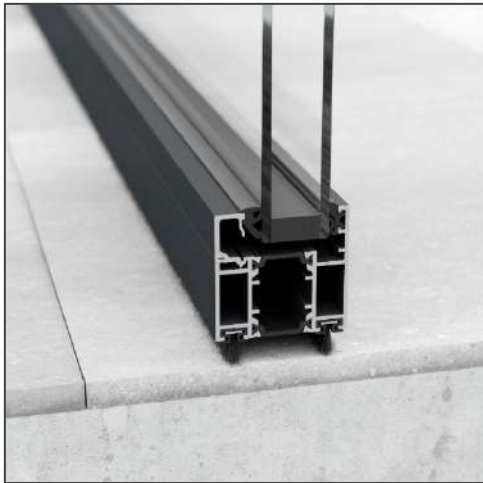
Horizontal Sliding Wall / SF55 H-S-W

Glazing

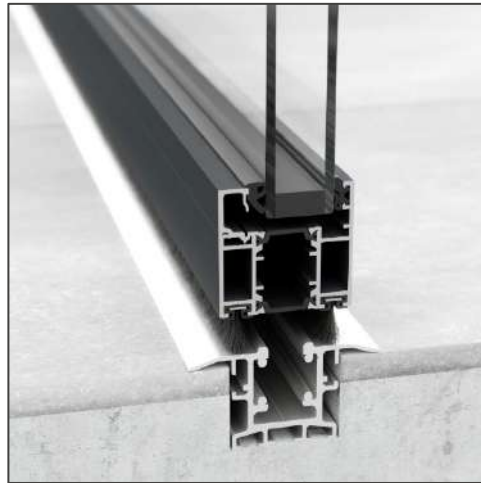
- A glazing configuration of 8 mm to 36 mm is possible
- Subsequent replacement of panes without difficulty
- Subsequent replacement of panels without difficulty

Horizontal Sliding Wall / SF55 H-S-W

Floor rails



attached



recessed

Horizontal Sliding Wall / SF55 H-S-W

Handles



L-Handle



L-Handle
with attached
rosette



Folding handle



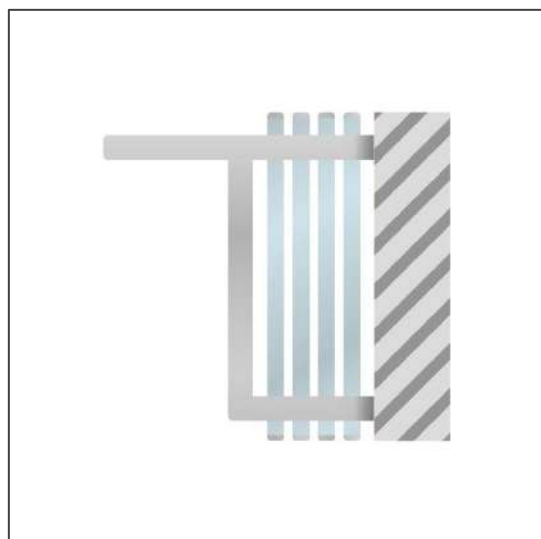
Folding handle
with attached
rosette



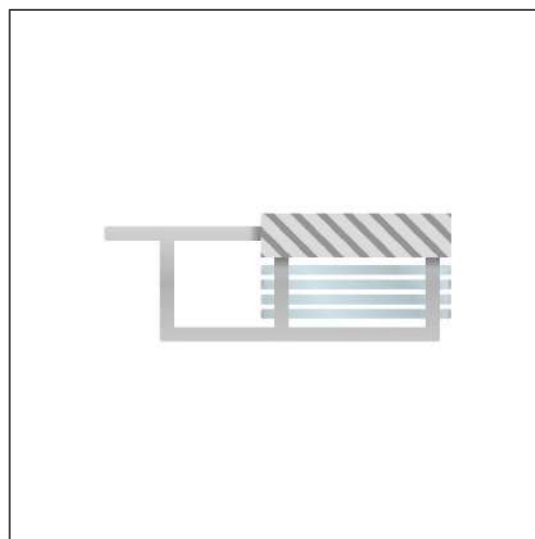
**Stainless steel
handle**

Horizontal Sliding Wall / SF55 H-S-W

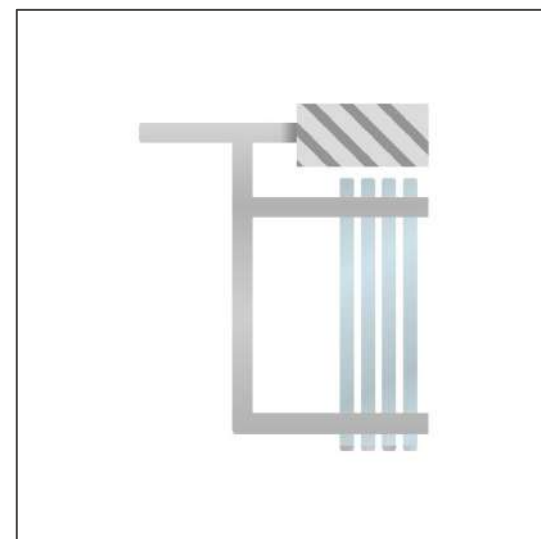
Parking bay



Type 1



Type 2



Type 3



Terrace roofs

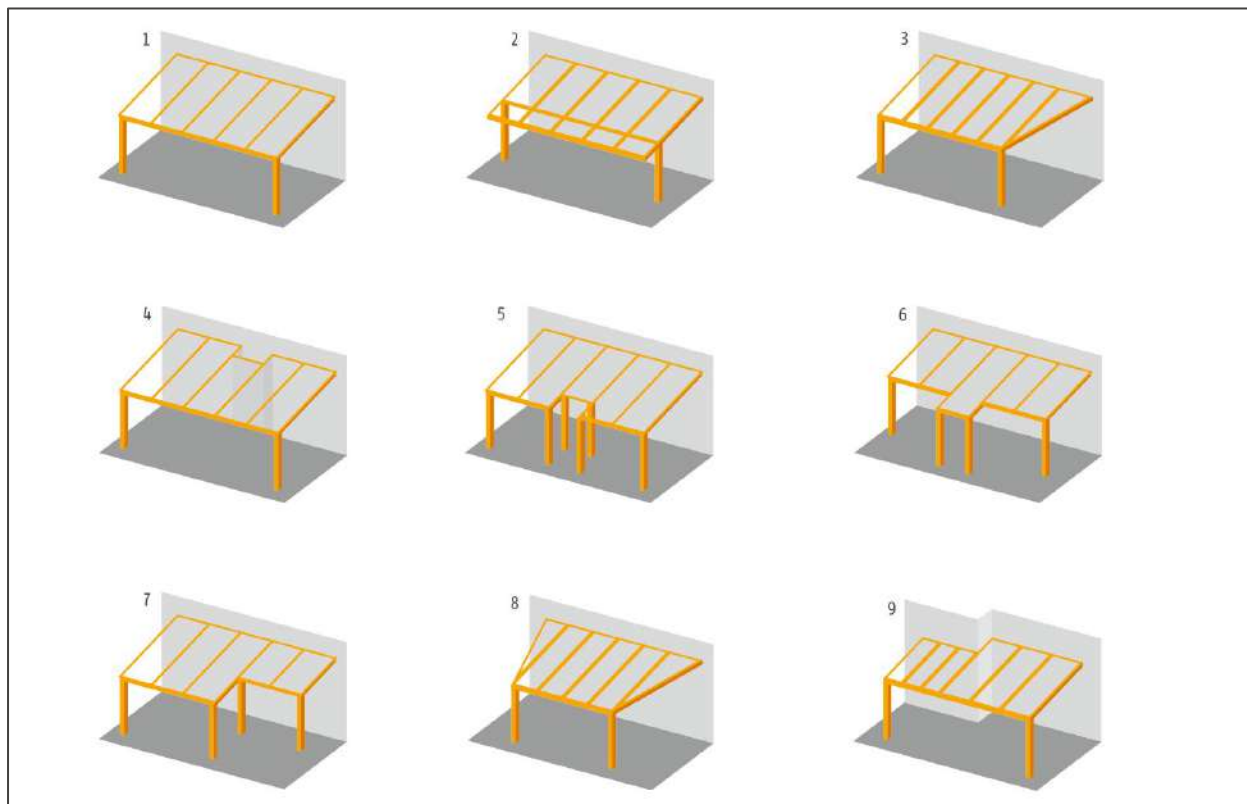






Terrace roofs

Types





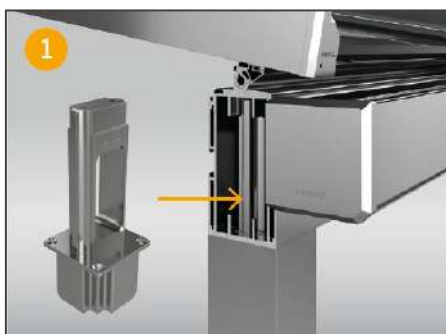
Upper structural design

Terrace roofs / upper structural design



Terrace roofs / upper structural design

Details



Simple assembly with connectors



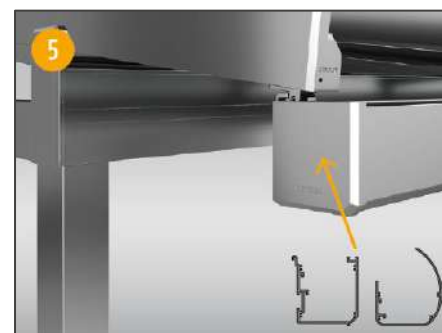
Possible guttering configurations



Gutter screen



Different guttering designs
SF112+SF152



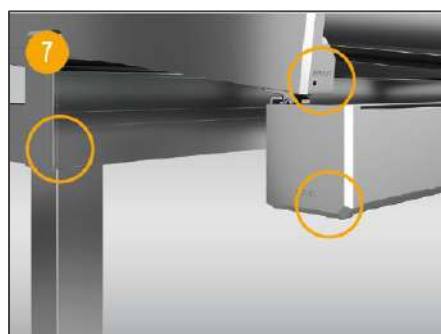
Different guttering designs
SF112+SF152 Plus

Terrace roofs / upper structural design

Details



Clip cover for beams with LED spots



Section covers with no visible screws



Adapter for inner and exterior shade options



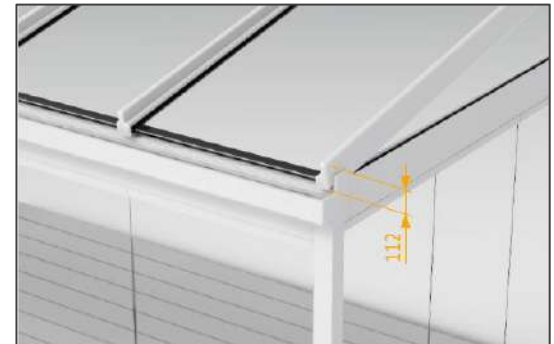
Cable canal with LED spots



Terrace roofs / upper structural design / SF112

System information

- Aluminum construction
- Rafter height 112 mm
- Without forward-facing overhang
- The roof will be manufactured according to your specifications
- Possible glass thicknesses of 8 mm, 10 mm and 12 mm
- Possible fillings/multi-skin sheets of 16 mm and 24 mm
- Roof inclination 3° – 45° (depending on the type)
- Rounded or square guttering optional
- Supports indented by max 1,000 mm
- DIN EN 1090 certified



Terrace roofs / upper structural design / SF112

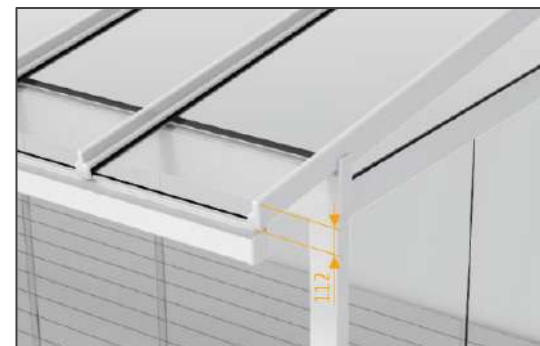
Drainage



Terrace roofs / upper structural design / SF112 Plus

System information

- Aluminum construction
- Rafter height 112 mm
- With forward-facing overhang
- The roof will be manufactured according to your specifications
- Possible glass thicknesses of 8 mm, 10 mm and 12 mm
- Possible fillings/multi-skin sheets of 16 mm and 24 mm
- Roof inclination 3° – 45° (depending on the type)
- Rounded or square guttering optional
- Supports indented by max 1,000 mm
- DIN EN 1090 certified



SF112

SF112 Plus

SF152

SF152 Plus

SF125

SF300



Terrace roofs / upper structural design / SF112 Plus

Drainage / Standard



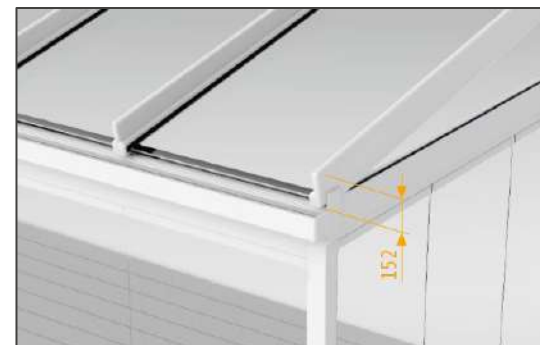
Drainage / Lite



Terrace roofs / upper structural design / SF152

Systeminformation

- Aluminum construction
- Rafter height 152 mm
- Without forward-facing overhang
- The roof will be manufactured according to your specifications
- Possible glass thicknesses of 8 mm, 10 mm and 12 mm
- Possible fillings/multi-skin sheets of 16 mm and 24 mm
- Roof inclination 3° – 45° (depending on the type)
- Rounded or square guttering optional
- Supports indented by max 1,000 mm
- DIN EN 1090 certified



Terrace roofs / upper structural design / SF152

Drainage



Terrace roofs / upper structural design / SF152 Plus

System information

- Aluminum construction
- Rafter height 152 mm
- With forward-facing overhang
- The roof will be manufactured according to your specifications
- Possible glass thicknesses of 8 mm, 10 mm and 12 mm
- Possible fillings/multi-skin sheets of 16 mm and 24 mm
- Roof inclination 3° – 45° (depending on the type)
- Rounded or square guttering optional
- Supports indented by max 1,000 mm
- DIN EN 1090 certified



SF112

SF112 Plus

SF152

SF152 Plus

SF125

SF300



Terrace roofs / upper structural design / SF152 Plus

Drainage / Standard



Drainage / Lite





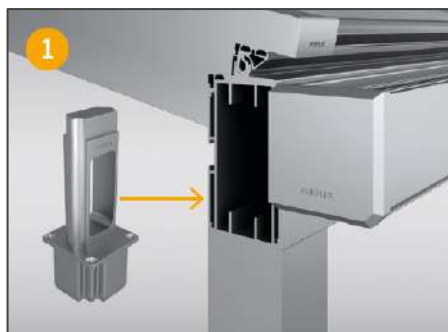
Lower structural design

Terrace roofs / lower structural design



Terrace roofs / lower structural design

Details



Simple assembly with connectors



Possible guttering configurations



Gutter screen

Terrace roofs / lower structural design

Details



Different guttering designs



Integrated cable canal for LED spots



Cable canal with led spots

Terrace roofs / lower structural design / SF125

System information

- Aluminum construction
- Edge rafter height 125 mm, middle rafter height 152 mm
- The roof will be manufactured according to your specification
- Possible glass thicknesses of 8 mm, 10 mm and 12 mm
- Possible fillings/multi-skin sheets of 16 mm
- Roof inclination 3° – 45° (depending on the type)
- Integrated lighting channel



Terrace roofs / lower structural design / SF125

Drainage





Cubic Construction

Terrace roofs / cubic construction / SF300



Terrace roofs / cubic construction / SF300

Details



No visible screw connections



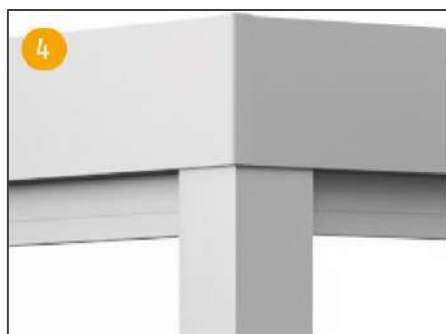
Possible guttering configurations



Gutter screen

Terrace roofs / cubic construction / SF300

Details



All-round veneer
(height 300 mm)



LED spots (circulating)

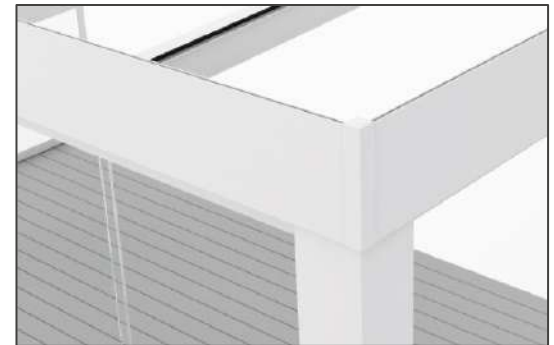


Cable canal with led spots

Terrace roofs / cubic construction / SF300

System information


- Aluminum construction
- Middle rafter height 152 mm
- The roof will be manufactured according to your specifications
- Possible glass thicknesses of 8 mm, 10 mm and 12 mm
- Possible fillings/multi-skin sheets of 16 mm
- Roof inclination 2°
- Integrated lighting channel



Terrace roofs / cubic construction / SF300

Drainage



A large group of people, mostly men, are posing in front of a modern, multi-story glass building. Many of the people are wearing white t-shirts. They are all smiling and have their arms raised in a celebratory gesture. The building is made of dark-framed glass panels and has 'SUNFLEX' signs with a yellow sun logo on the top corners. The sky is blue with some clouds, and there are green trees in the background. A semi-transparent black banner with white text is overlaid across the middle of the image.

Thank you for your attention!