

FOLDING WALL

Supertherm 80

System description



Product information

The Supertherm 80 folding wall is a thermally insulated system with top or bottom guide track. The entire glass wall can be folded to create a narrow, space-saving package. It is especially suited as wide glazing for conservatories, as a transition from the house to the terrace or as a connection between a café or restaurant and the outside space.

Together with the window and door system of the Supertherm 80 system model, it is possible to plan a perfectly adapted complete system.

System characteristics

- Folding wall with thermally insulated aluminium profiles
- Track on the bottom or top
- Glazing: 1" to 2 3/4"
- Maximum panel width: 47"
- Maximum system height: 8'-10"
- Track lengths of up to 22'-4" without a joint connection
- High-quality gimbal-mounted rollers with stainless steel roller bearings
- Opening: to the left or right, central or on both sides
folding inward or outward
- Standard ceilings with 90° or 135°
- Black, silicone-free system seals coated with non-friction polymer
- Handles by Hoppe (Toulon line)
- RC2 handle by Hoppe (Liverpool line)
- Available in the Pergola Room trend colours and clear anodised E6/EV1 without extra charge
- The inside and outside can have different colours

Options

- Multipoint locking on the active panel
- Add on profiles 1 1/4", 1 5/8", 2", 2 3/4", 3 5/32" and 4"
- Compensation profile 2 1/8"
- Corner solutions with fixed or mobile posts
- Recessable floor connection
- Cleaning mandrel (if technically feasible)
- Transoms, window panels or vents can be integrated in the folding elements.

Performance characteristics



Wind resistance

Class C3/B3, EN 12210



Driving rain resistance

Opening inwards: class 9A, EN 12208

Opening outwards: class 8A, EN 12208



Thermal insulation

U_f value: 1.6 to 2.0 W/(m²K)



Air permeability

Class 3 according to EN 12207



Burglary protection

Resistance class RC2

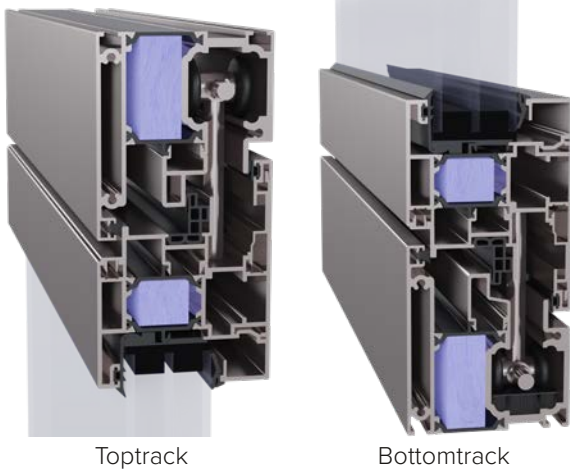
(in accordance with DIN EN 1627: 2011-09)



Panel weight

Max. 16 pound

The features of the Supertherm 80 folding wall



Toptrack

Bottomtrack

1

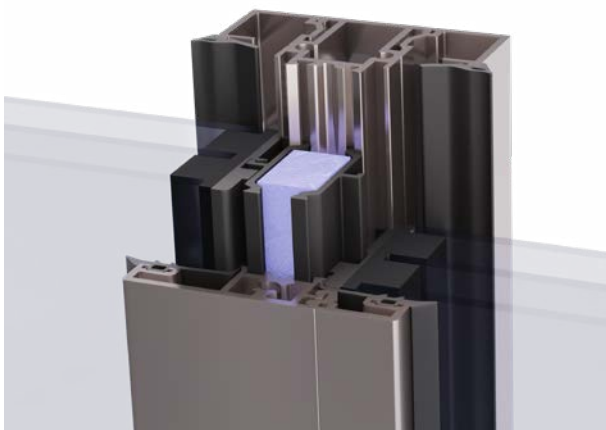
Track on the top or bottom

- The system can be designed with a track on the top or bottom.
- Both variants allow readjustment with height-adjustable rollers.
- High-quality gimbal-mounted rollers with stainless steel roller bearings for a long service life of your system.

2

Thermal separation and insulation

- The inner and outer profiles are thermally separated in order to achieve optimum insulation values.
- This separation is created using PA stays with knurled profile, insulation material inserts, rubber seals with fold extension and multi-chamber sealing profiles.
- Insertion of glass thicknesses between 1" to 2 3/4" result in the desired insulation effect.



Detail of the thermal separation

3

Matching complete system

- The frame system of the Supertherm 80 folding wall can be expanded with the window, fixed element and door systems of the Supertherm 80 line.
- The aluminium frames are perfectly matched and complement each other ideally.
- It is possible to plan a technically and optically sound complete system.

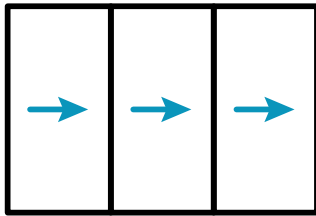


Coupling detail of folding wall to window

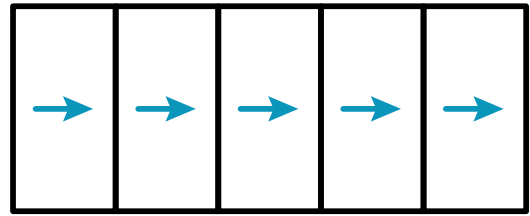
Opening variants

Opening inwards (view from inside)

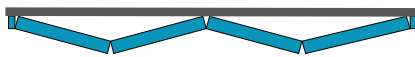
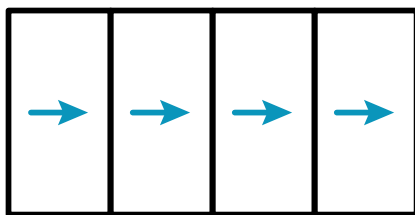
I-3R



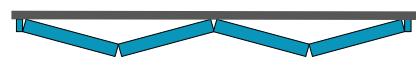
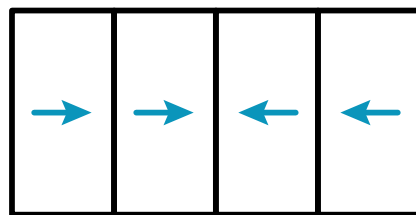
I-5R



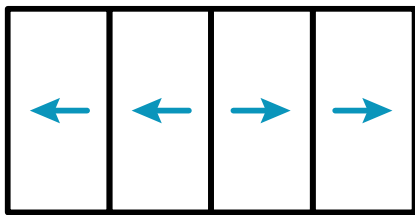
I-4R



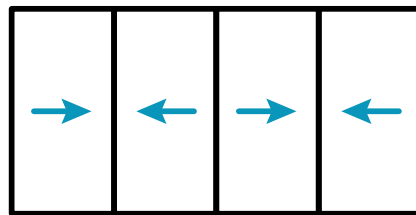
I-4LR



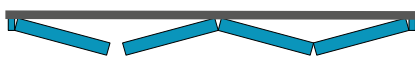
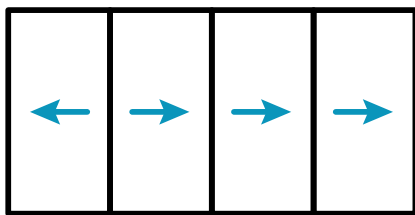
I-2L 2R



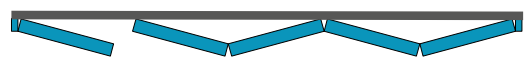
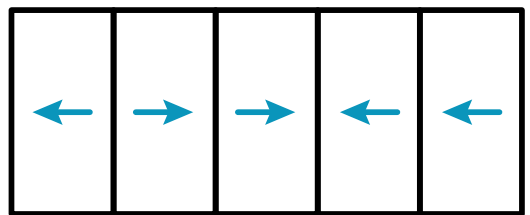
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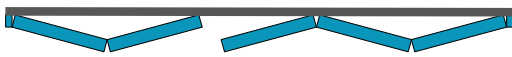
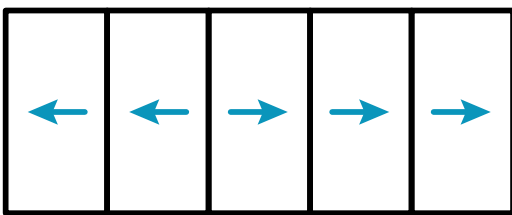
I-1L 3R



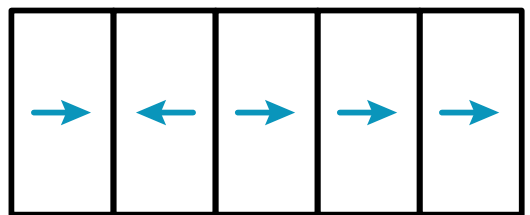
I-1L 4LR turn



I-2L 3R

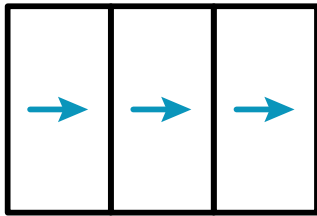


I-2LR 3R

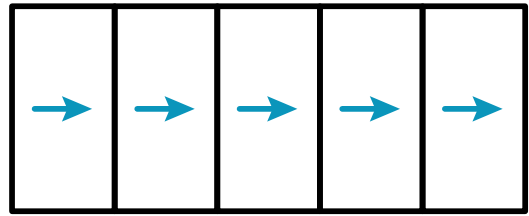


Opening outwards (view from inside)

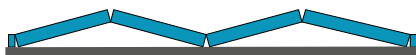
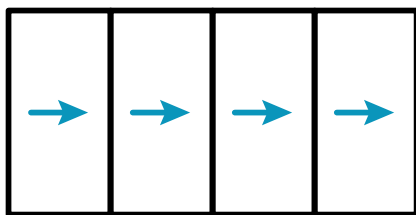
I-3R



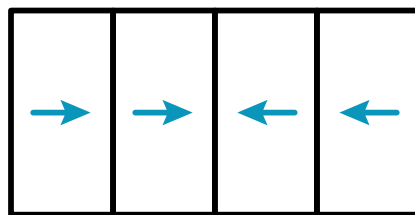
I-5R



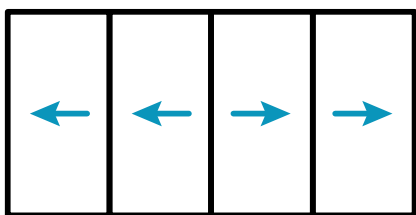
I-4R



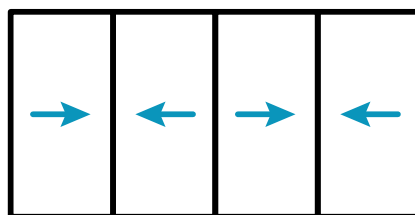
I-4LR



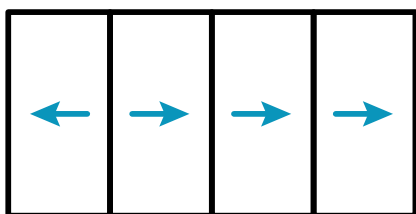
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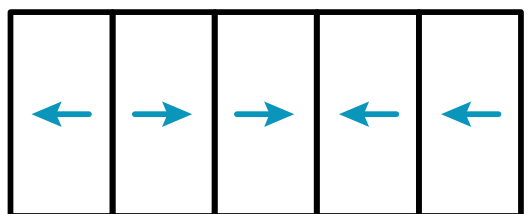
I-2LR 2LR



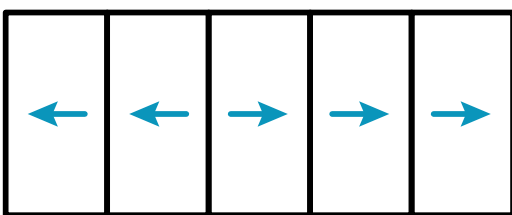
I-1L 3R



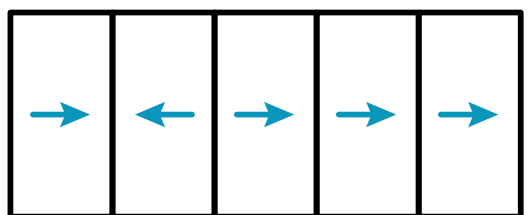
I-1L 4LR Dreh



I-2L 3R

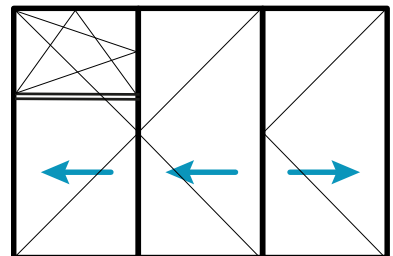
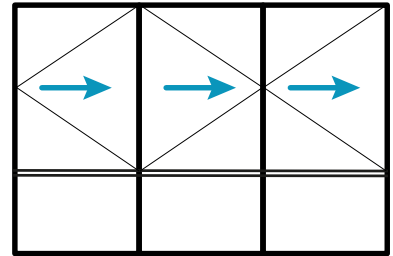
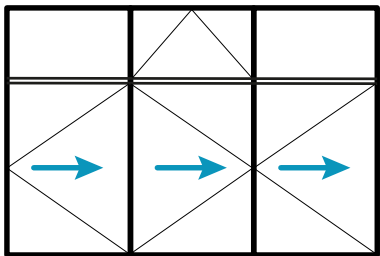
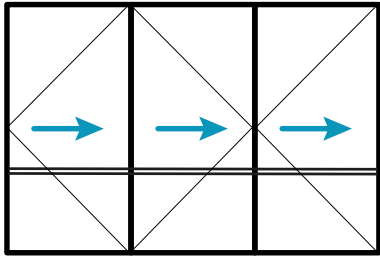


I-2LR 3R

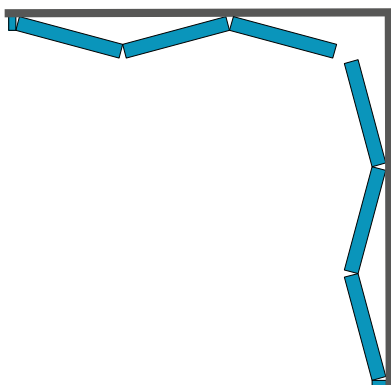
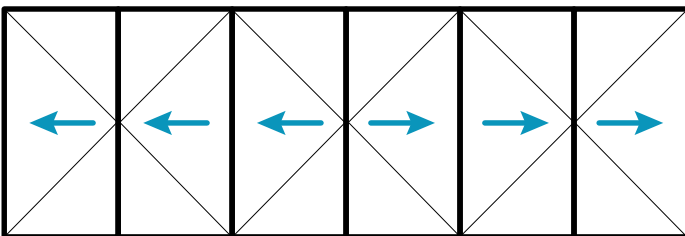


Special opening variants (view from inside)

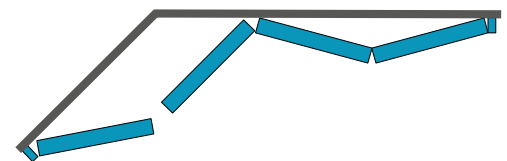
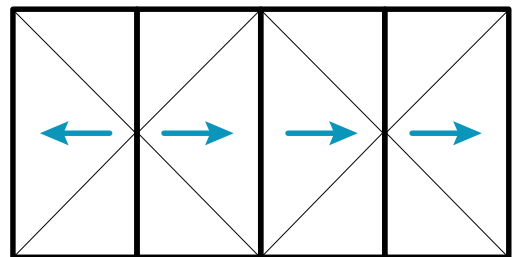
With Supertherm 80 window



Option: 90°



Option: 135°



Handle types



Standard opening outwards

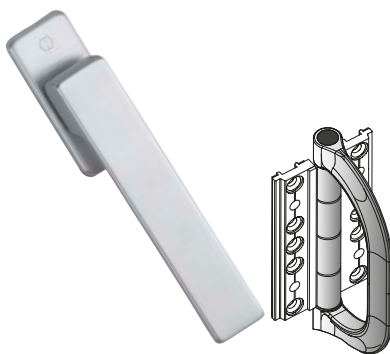


Active panel:

Operation from the inside:
FH: Flat handle inside

Operation from the outside:
PH: Pull handle

Handle colour: F1 silver aluminium



Folding package:

Operation from the inside:
FH: Flat handle inside

ZGS: Pull handle on hinge

Handle colour: F1 silver aluminium
Pull handle colour: white, grey or black

Standard opening inwards



Active panel:

FH: Flat handle inside

Handle colour:
F1 silver aluminium



Folding package:

FH: Flat handle inside

Handle colour:
F1 silver aluminium

Options



WH

Window handle 180°

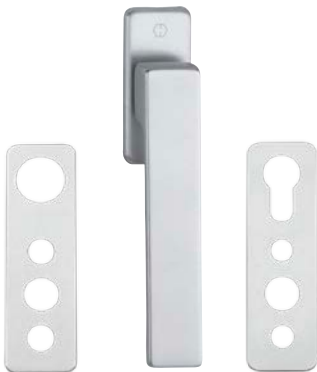
Handle colour:
F1 silver aluminium



LWH

Window handle 180°, lockable

Handle colour:
F1 silver aluminium



FHR / FHP

Flat handle
with round cylinder or profile cylinder section

Handle colour:
F1 silver aluminium



DH

Door handle "inside"

Handle colour:
F1 silver aluminium



DHR / DHP

Door handle "inside"
with round cylinder or profile cylinder section

Handle colour:
F1 silver aluminium



DHSR / DHSP

Door handle set
with round cylinder or profile cylinder section

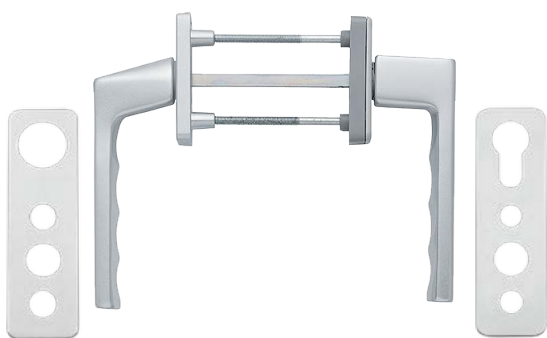
Handle colour:
F1 silver aluminium



WFSR / WFSP

Window handle set:
Window handle 180° & flat handle
with round cylinder or profile cylinder section

Handle colour:
F1 silver aluminium



WHSR / WHSP

Window handle set:
Window handle 180°
with round cylinder or profile cylinder section

Handle colour:
F1 silver aluminium



For detailed information about the handles, handle combinations and cylinder cut-outs, please refer to the "Handle documentation".

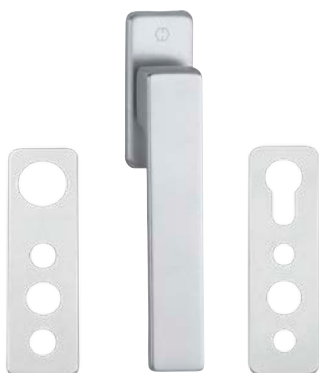
RC2 handle types



INFORMATION about the opening variants

- 3-part:** running on bottom, opening inwards (also available as 5-, 7- or 9-part)
- Every flat handle must be fitted with a rod lock and interior half-cylinder section
 - Handles must only be installed inside or in combination with Tribloc (handle sets RCR / RCP)
- 3-part:** running on bottom, opening inwards with Tribloc lock on active door (also available as 5-, 7- or 9-part)
- The RCR/RCP handle sets must be used for the active door
 - Every flat handle must be fitted with a rod lock and interior half-cylinder section
- 4-part:** opening inwards (also available as 2-, 6- or 8-part)
- Every flat handle must be fitted with a rod lock and interior half-cylinder section
 - Handles must only be installed on the inside

RC2 handle options



FHR / FHP

Flat handle
with round cylinder or profile cylinder section

Handle colour:
F1 silver aluminium



RCR & RCP

RC2 door handle set
with round cylinder or profile cylinder section
DIN 18257 ES1 (SK2)

Handle colour:
F1 silver aluminium

FAQ about the Supertherm 80 folding wall

Here you will find further information and details as well as answers to frequently asked questions.

For which uses and areas of application is the Supertherm 80 folding wall suited?

The system is especially suited for private areas as glazing for conservatories, as a transition from the house to the terrace or as a connection between a café or restaurant and the outside space.

Which opening variant is recommended? Opening inwards or outwards?

We recommend that the folding wall opens outwards. This provides additional reinforcement against wind loads and wet conditions. In addition, the required free space is not lost on the inside of the room. In principle, however, both opening variants are possible.

What other systems is the Supertherm 80 folding wall compatible with?

The folding wall is compatible with the other systems of the Supertherm 80 line precisely because they have identical profiles, seals and accessories. Together with the windows and doors, these result in a perfectly adapted complete system.

Running on the top or bottom?

If possible at the installation site, we recommend designing the system hanging from the top, as this significantly reduces dirt build-up in the roller section.

Take advantage of the comprehensive Pergola Room product range and our usual expert advice. For further information, visit

[pergolaroom.com](https://www.pergolaroom.com)