

DOORS

Supertherm 80

System description



Product information

The Supertherm 80 door system consists of thermally separated aluminium profiles. The system can be used as a substructure element in a conservatory and as a single or double-panel door in areas with thermal requirements.

The combination with Supertherm 80 fixed elements, windows and folding walls expand the application options.

System characteristics

- Thermally insulated door system
- Glazing: 24 to 60 mm
- Panel frame depth: 79 mm
- Maximum panel width: 1300 mm
- Maximum system height: 2700 mm
- Flush alignment of the door overlaps
- 3-part door hinges
- Three different bottom details (low threshold, with stop and frame extension)
- Black, silicone-free system seals coated with non-friction polymer
- Handles by Hoppe (Toulon line)
- RC2 handle by Hoppe (Liverpool line)
- Available in the trend colours and clear anodised E6/EV1 without extra charge
- The inside and outside can have different colours

Options

- Electric door opener 24 V
- Stainless steel push handle
- Stainless steel ball bearing hinges
- Top door closer
- Multipoint locking with roller latch
- With escape door for single-panel doors (EN 179 emergency exit locks & EN 1125 panic locks)
- Add on profiles 31, 40, 50, 60, 80 and 100 mm
- Compensation profile 54 mm

Performance characteristics



Wind resistance

Class C5, EN 12210



Driving rain resistance

Opening inwards: class 7A, EN 12208

Opening outwards: class 4A, EN 12208



Thermal insulation

U_f value: 1.7 to 2.3 W/(m²K)



Air permeability

up to class 4, EN 12207



Burglary protection

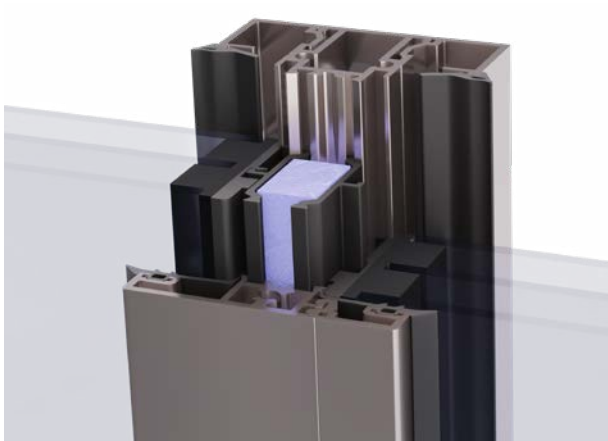
Resistance class RC2 (single-panel door)
(acc. to EN 1627: 2011-09)



Panel weight

Max. 90 kg

The features of the Supertherm 80 doors

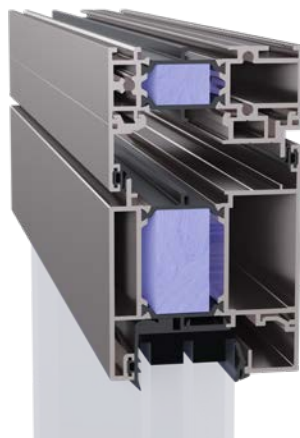


Detail of the thermal separation

1

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 24 to 60 mm result in the desired insulation effect.

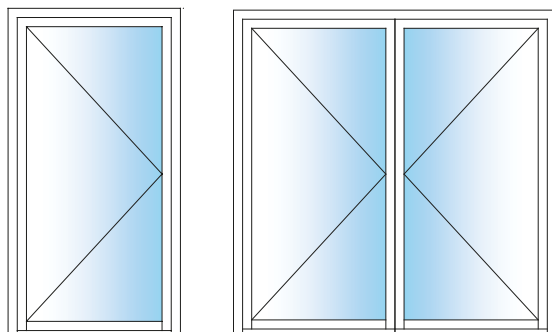


Ceiling detail of the exchange profile

2

Design options

- Elements can be individually dimensioned and fitted with transoms, panel fillings and panel profile add on profiles.
- Lateral glazing and skylights can be designed with exchangeable profiles.
- The inside and outside can have different colours.



Single panel

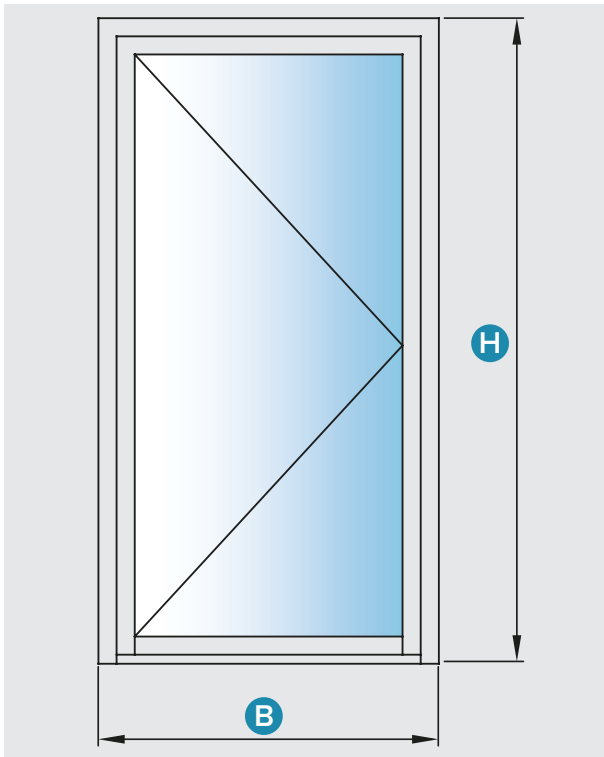
Double panel

3

Individual opening variants

- The Supertherm 80 door system can be designed as a single panel or double panel system.
- Both inward and outward opening variants are possible.
- This makes the doors ideally suited for different requirements and conditions.

Opening variants



Single panel:

The door can be designed as “DIN left” and as “DIN right”.

Maximum sizes

H max. = 2700 mm

B max. = 1300 mm

Minimum sizes

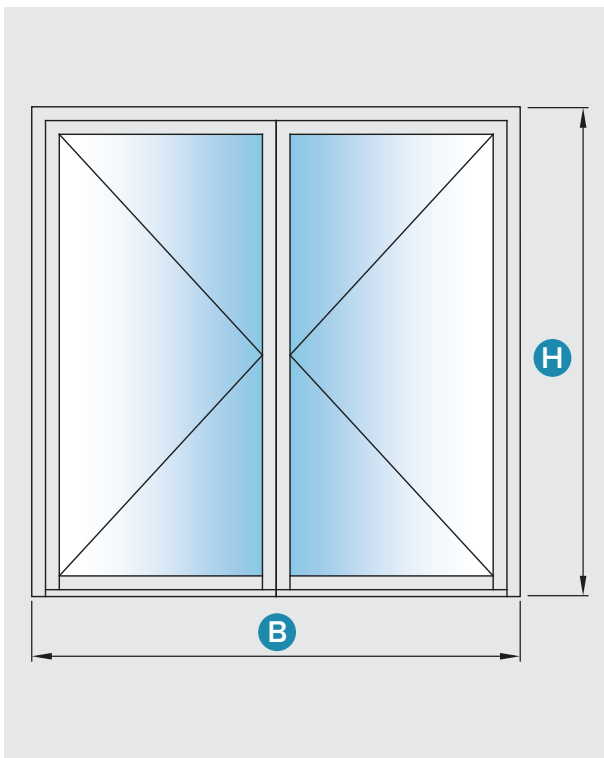
H min. = 2200 mm

B min. = 750 mm

Min. handle height = 950 mm



Max = 90 kg



Double panels:

The door can be designed as “DIN left” and as “DIN right”.

Maximum sizes

H max. = 2700 mm

B max. = 2600 mm

Minimum sizes

H min. = 2200 mm

B min. = 750 mm (main panel)

B min. = 375 mm (side panel)

Min. handle height = 950 mm



Max = 90 kg



For detailed information about the door dimensions and the detailed panel diagram, refer to the “Technical drawings”.

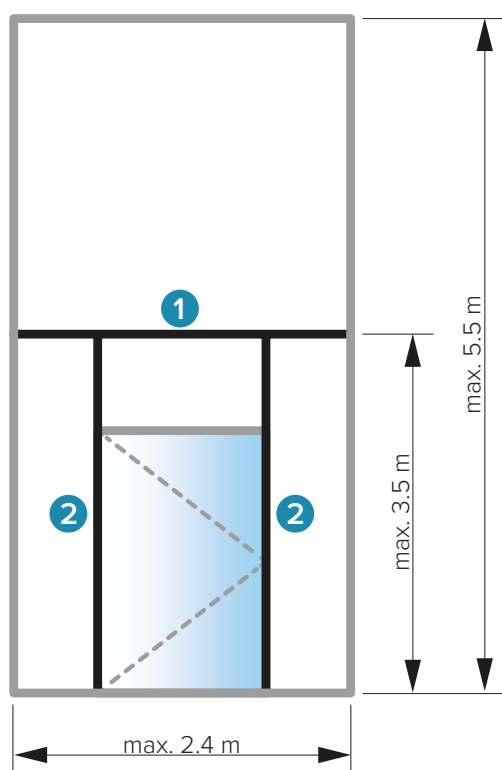
Glazing with integrated door

Dimensions:

Outside frame	= up to max. 2.4 x 5.5 m (W x H) or up to max. 5.5 x 2.4 m (W x H)
Vertical bars	= up to max. 3.5 m
Transoms	= up to max. 3.5 m

Reinforcing profiles:

Transoms	= from 2 m width
Vertical bars	= from 2.5 m height

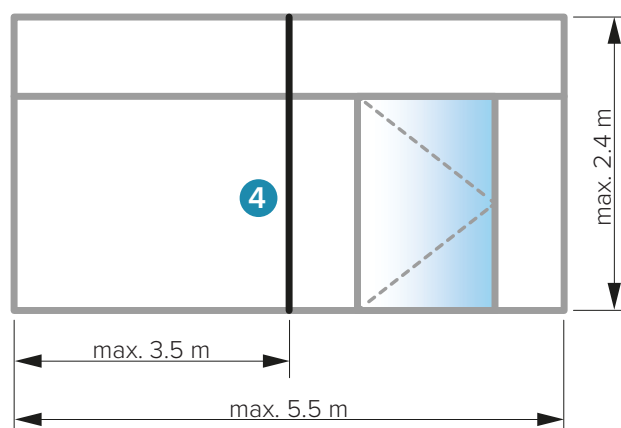
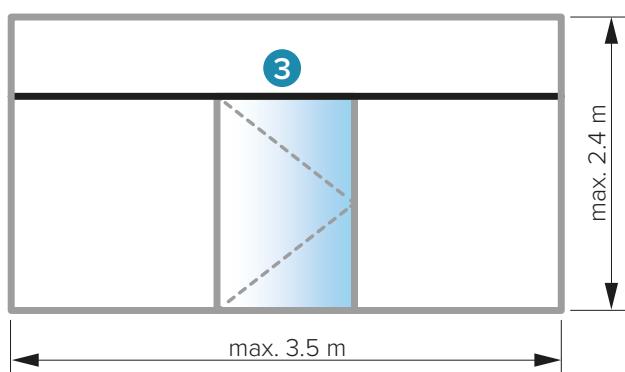


Alignment of reinforcing profiles:

If a reinforced vertical bar ends at a continuous transom, the transom is always reinforced, independent of the length.

If two transoms (longer than 2 m) end at a continuous vertical bar, the vertical bar is always reinforced.

- 1 Reinforcement from 2 m width or if vertical bar is longer than 2.5 m
- 2 Reinforcement from 2.5 m height
- 3 Reinforcement from 2 m width
- 4 Reinforcement from 2 m transom width



Handle types



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



KHR / KHP

Knob with round cylinder or profile cylinder section

Handle colour: F1 silver aluminium

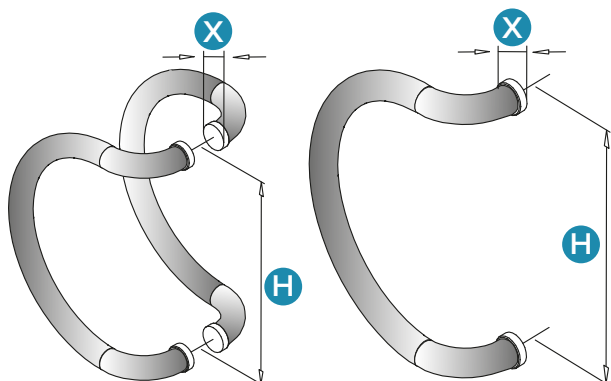


DKR / DKP

Door handle inside / knob outside
with round cylinder or profile cylinder section

Handle colour: F1 silver aluminium

Additional options



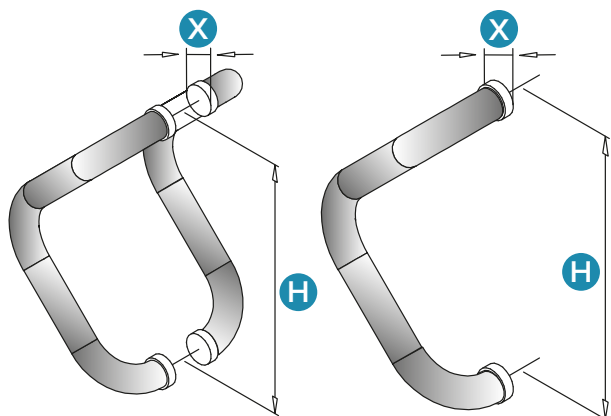
IS-C / ISZA-C

C-shaped stainless steel push handle
Optional with cylinder section (PZ / RZ)

Handle colour: brushed stainless steel

X = Ø 30 mm

H = 350 mm



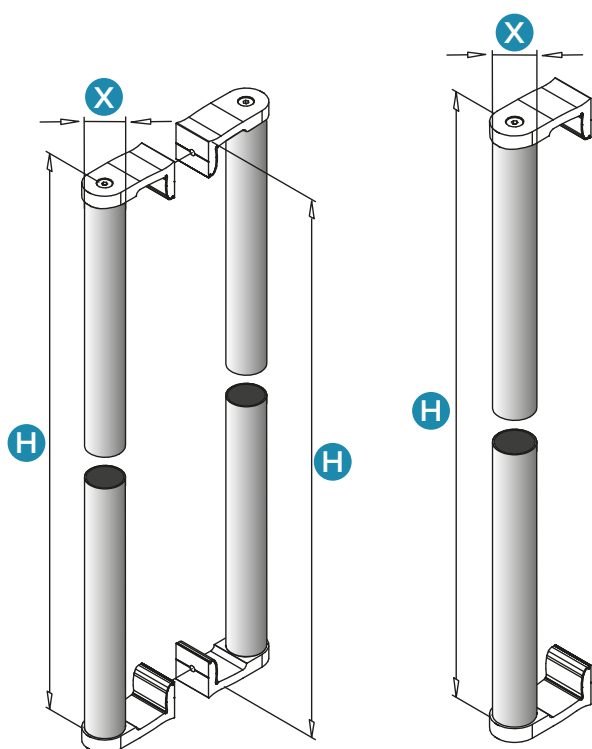
IS-V / ISZA-V

V-shaped stainless steel push handle
Optional with cylinder section (PZ / RZ)

Handle colour: brushed stainless steel

X = Ø 30 mm

H = 350 mm



ISZA-I

I-shaped stainless steel push handle
Optional with cylinder section (PZ / RZ)

Handle colour: brushed stainless steel

X = Ø 42.5 mm

H = adapted to panel height
(1950 mm to 2700 mm)

RC2, panic and emergency exit



RC2 handle options



RCR & RCP

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

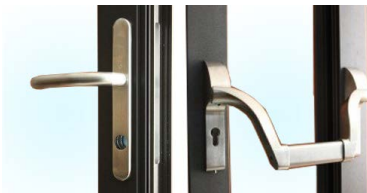
Handle colour:
F1 silver aluminium



Information about RC2 locking

*KFV multipoint locking and RCR / RCP
must be used.*

Panic lock EN 1125



PAG

Pusher inside and handle outside
incl. rosette (PZ 17 mm / RZ 22 mm)

Handle colour:
brushed stainless steel



PAK

Pushbar inside and knob outside
incl. rosette (PZ 17 mm / RZ 22 mm)

Handle colour:
brushed stainless steel

Emergency exit lock EN 179



NOG

Handle inside and outside incl. rosette
(PZ 17 mm / RZ 22 mm)

Handle colour:
brushed stainless steel



NOK

Handle inside, knob outside, including rosette
(PZ 17 mm / RZ 22 mm)

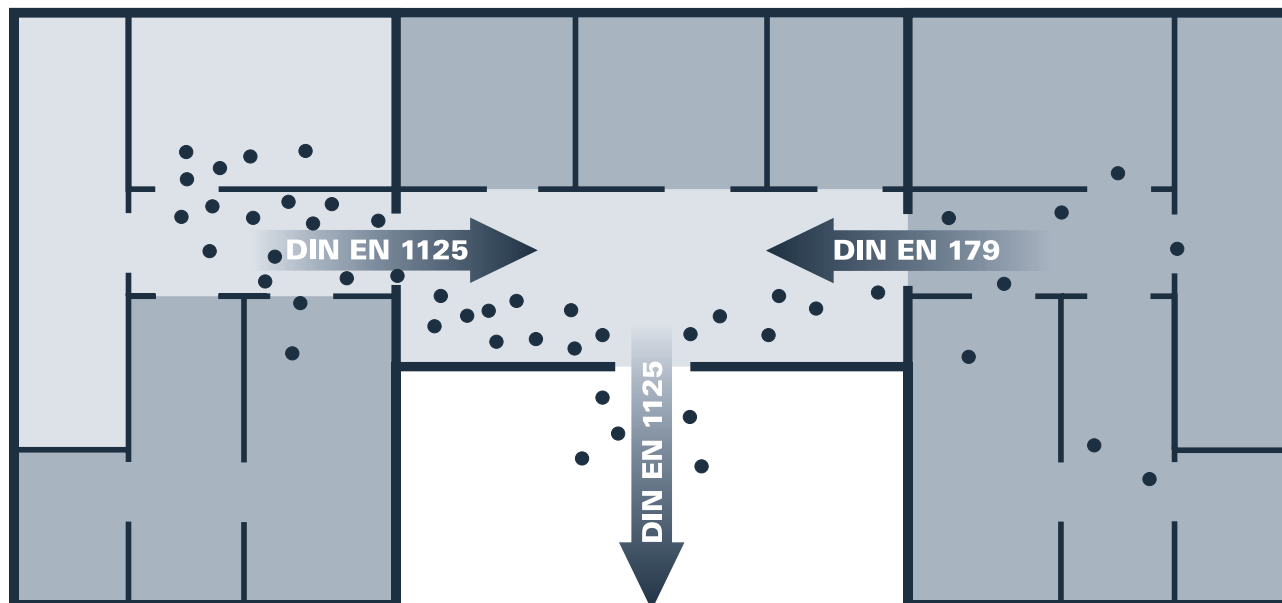
Handle colour:
brushed stainless steel

Panic & emergency exit



Public space

Non-public space



Panic locks with horizontal pusher

EN 1125

Panic locks in accordance with **EN 1125** are installed in public buildings in which visitors are unfamiliar with the function of the escape door so that these can be operated without prior instructions in case of an emergency.

The user does **not** know how to open the escape door.

Application areas:

- Hospitals and clinics
- Escape routes in schools and educational institutions
- Public administrative buildings
- Stadiums, arenas and event venues
- Shopping centres

Emergency exit locks with pushbars

EN 179

Emergency exit locks in accordance with **EN 179** for buildings or building sections without public access and wherever public access can be excluded. Side entrances or doors in these buildings or building sections are only used by authorised persons.

The user knows how to open the escape door.

Application areas:

- Private residential areas
- Classrooms in schools
- Non-public administrative buildings or industrial companies
- Non-public sectors of administrative buildings
- Non-public sectors of airports, banks or shopping centres

Fittings

Standard



Door hinge

- 3-part door hinge
- Independent and continuous adjustment in three directions
- Black finish
(optionally in white or grey)

Optional



Roller hinge

- 3-part roller hinge
- Independent and continuous adjustment in two directions
- Stainless steel design



GU door closer set OTS 735

Top door closer

- Solution for single-panel doors with panel widths of up to 1400 mm
- Smallest dimensions:
268 x 63 x 43 mm (L x H x D)
- Silver design



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

FAQ about the Supertherm 80 doors

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

For which uses and areas of application are the doors suited?

The doors of the Supertherm 80 line are suited as entrance doors into summer gardens, into glazed terrace roofs and for all-glazed restaurant or hotel terraces.

What do the expressions DIN left and DIN right mean for doors?

The door side on which the hinges are located is called the hinge side. A distinction is made between doors with door hinges on the left (DIN left) and doors with door hinges on the right (DIN right). If the hinges are on the left side of the door it is "DIN left", and if the hinges are on the right side it is "DIN right".

How are double-panel doors constructed?

Double-panel doors have an active and an inactive panel. The active panel is used as the first-opening panel and is equipped with a lock and a pushbar.

The inactive panel is fixed and can be opened if required by means of an integrated bolt.

Can you make fine adjustments on the hinges once they are installed?

The depth (± 3 mm) and height (± 3 mm) of standard door hinges can be adjusted with Allen keys. Crown keys can also be used to adjust the depth (1.5 mm). The width, height and depth of additional door hinges can be adjusted with Allen keys.

What other systems is the Supertherm 80 door compatible with?

The doors of the Supertherm 80 line can be used with the Supertherm 80 folding wall, windows and fixed windows to create the ideal extended complete system.



Advice and assistance right from the start



Help with project implementation

We offer you assistance ranging from project planning to installation.



Complete delivery

In order to guarantee straight-forward installation on site, all our systems are supplied pre-assembled.



Our service does not stop there

Our competent after-sales team will gladly assist you in the case of questions or problems.

Certified quality

Accredited certificates prove the quality and expertise behind the systems and services.

- Quality management in accordance with **ISO 9001**
- In-house production control in accordance with **DIN EN 1090**

- Environmental management in accordance with **ISO 14001**
- Certified sound insulation and wind resistance categories
- Burglar resistance in line with **RC3**
- **CE label** in line with EU requirements

EN 1090

