

WINDOWS / FIXED GLAZING

Supertherm 80

System description



Product information

The Supertherm 80 window & fixed glazing system consists of thermally separated aluminium profiles that create a matching complete system when combined with the Supertherm 80 folding wall and door.

The windows can be designed as single-panel or double-panel windows. They are suited as ventilation options for conservatories or all other applications in which insulated windows are used.

System characteristics

- Thermally insulated window system
- Glazing: 24 to 61 mm
- Window widths of up to 1200 mm (single panel)
- Window heights of up to 2400 mm
- Opening variants: side-hung, tilt-and-turn, double-panel as well as top-hung windows
- Handles by Hoppe (Toulon line)
- Natural anodised finish (EV1/E6)
- Available in the Sunparadise TREND colours and natural anodised E6/EV1 without extra charge
- The inside and outside can have different colours

Options

- Designed as fixed glazing with double glazing or insulation panels
- Electric chain motor by Aumüller, 24 V incl. mains adapter (mounted or concealed in the frame)
- Skylights as tilt windows with clamp catch, connecting rod, hand lever or electric chain motor
- Transoms or vents can also be integrated
- Add on profiles 31, 40, 50, 60, 80 and 100 mm
- Compensation profile 54 mm
- Frame with circumferential rollover (25 mm)

Performance characteristics



Wind resistance

Class C5, EN 12210



Driving rain resistance

up to class 9A, EN 12208



Thermal insulation

U_f value: 1.8 to 2.0 W/(m²K)



Air permeability

Class 4, EN 12207



Burglary protection

Resistance class RC2



Panel weight

Max. 130 kg

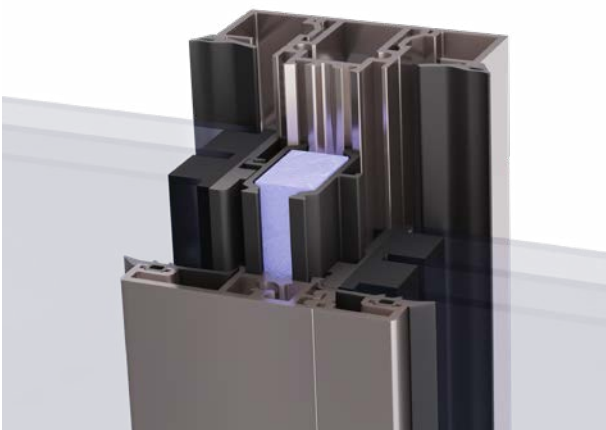
The features of the Supertherm 80 windows



1

Individual fixed glazing

- Flexible addition to windows and doors
- Constructed with double glazing or insulation panels
- Diagonal glazing and special designs according to the customer's wishes are possible

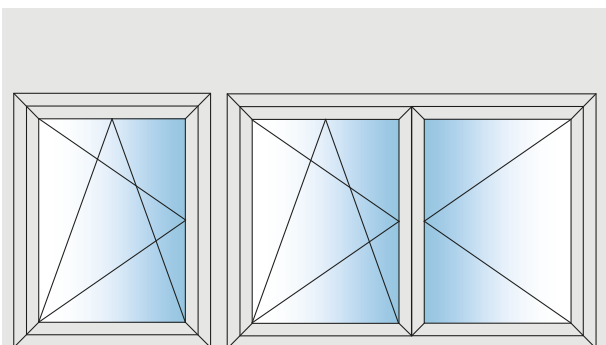


Detail of the thermal separation

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 24 to 61 mm result in the desired insulation effect.



Single panel

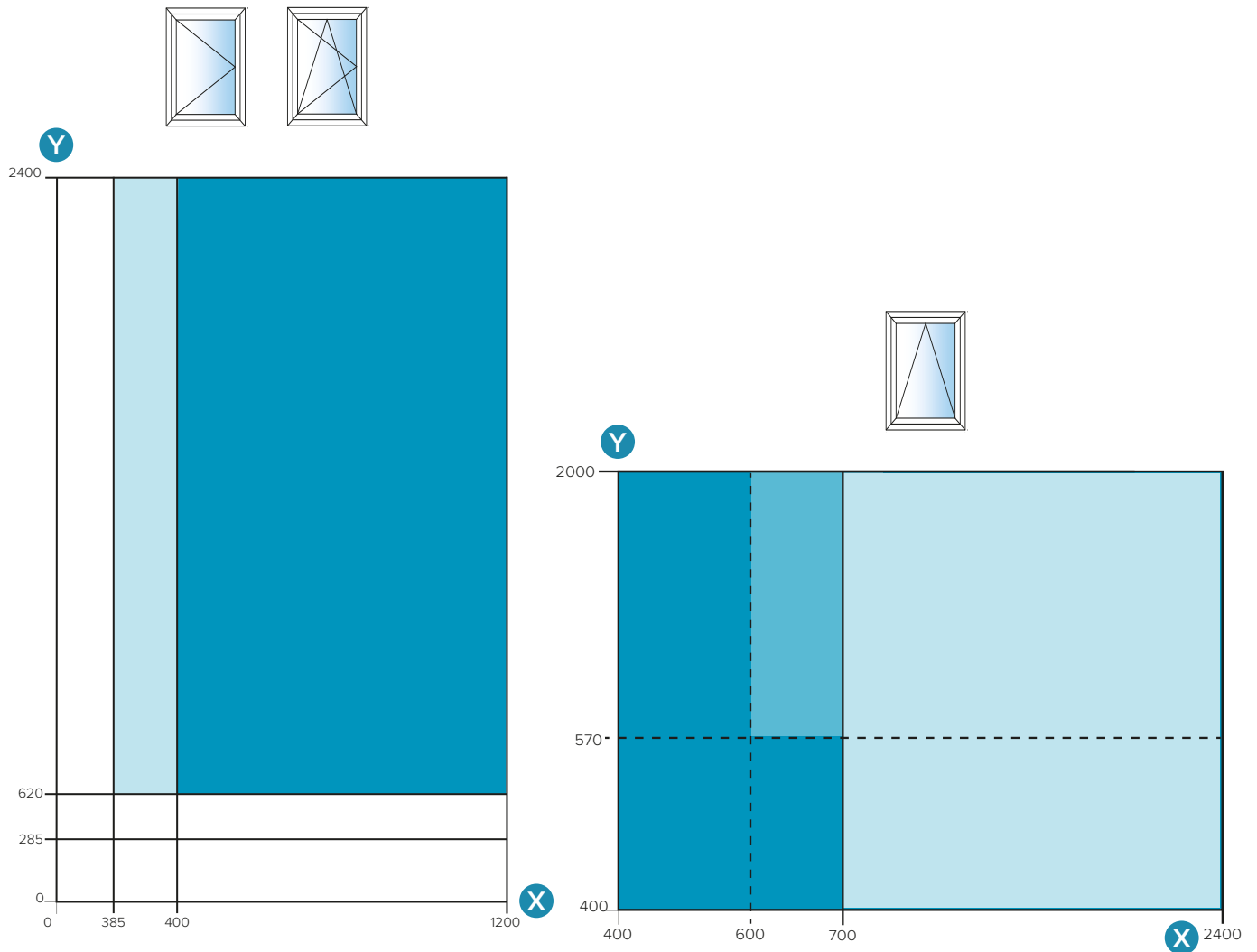
Double panel

3

Individual opening variants

- The following designs are possible, depending on the requirements:
 - Fixed window designs
 - Turn, turn and tilt or tilt windows
 - Balcony doors

Diagrams



Y System height (max. 2400 mm)

X System height (max. 1200 mm)

 Possible window sizes

 Implementable window sizes (secondary panel)

Y System height (max. 2000 mm)

X System width (max. 2400 mm)

 Possible window sizes

 Possible window sizes with lateral handle

 Possible window sizes with motor

Please note:

- This diagram refers to the outer dimensions of the frame.
- The maximum weight of 130 kg must be taken into account when dimensioning the system.

Calculation of the approximate glass weight:

$2.6 \times \text{number of mm glass (glass thickness)} \times \text{system height (m)} \times \text{system width (m)}$

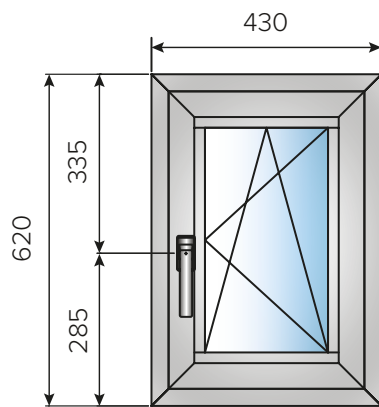


Info

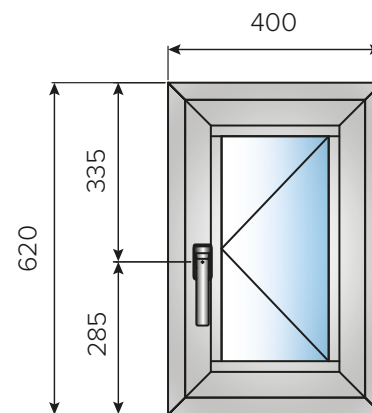
The max. weight depends on the desired opening variant. The detailed list can be found in the document "Technical drawings".

Minimum size per opening variant

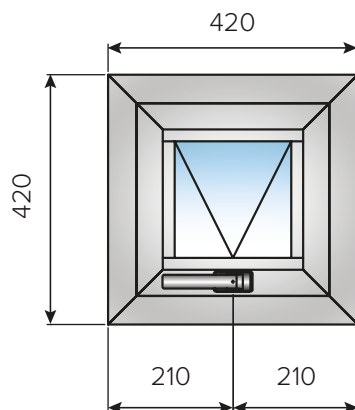
Tilt-and-turn window



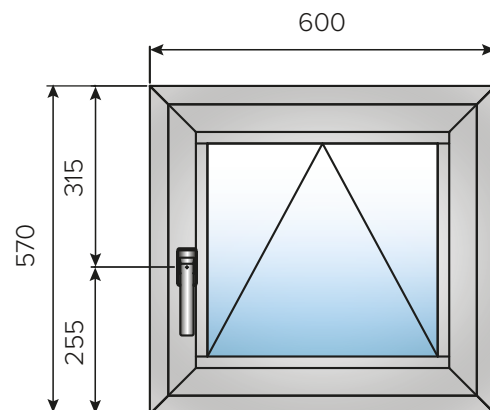
Side-hung window:



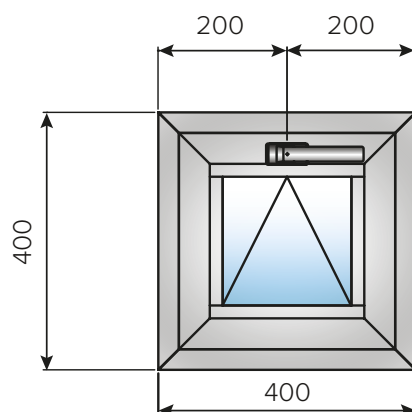
Windows opening outwards



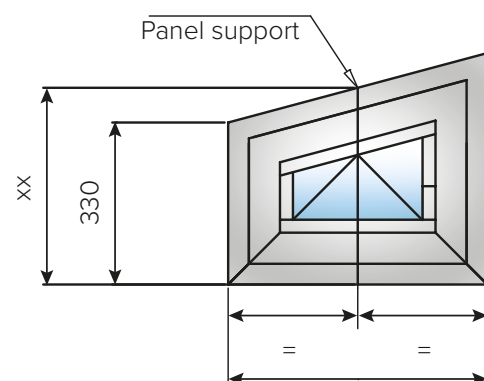
Tilt window with side-mounted handle



Tilt window with handle on top



Slanted window



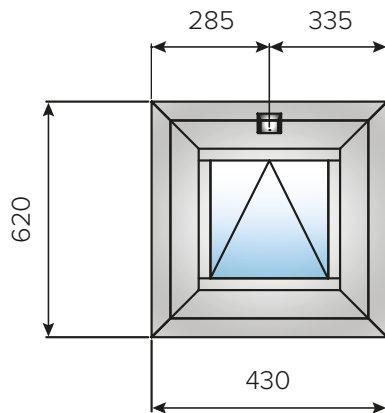
XX = 400 mm skylight opener

XX = 400 mm motor

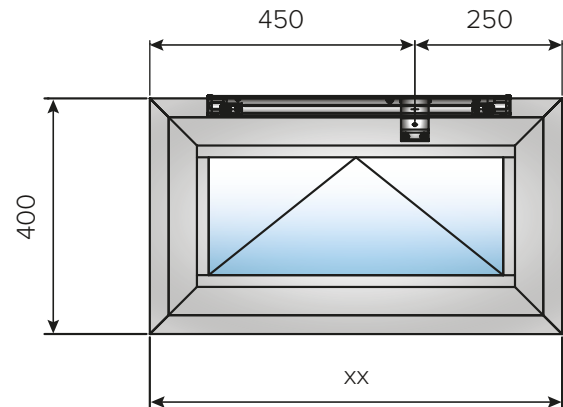
XX = 330 mm clamp catch

Minimum size per opening variant

Tilt window with clamp catch



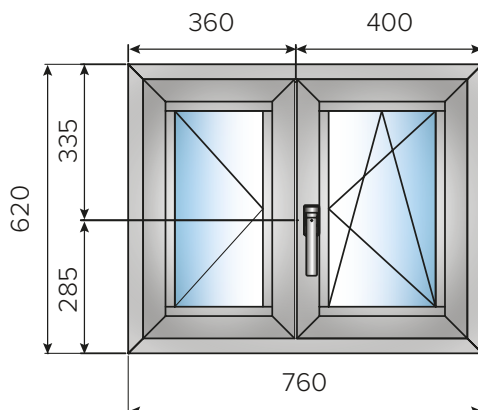
Tilt window with motor



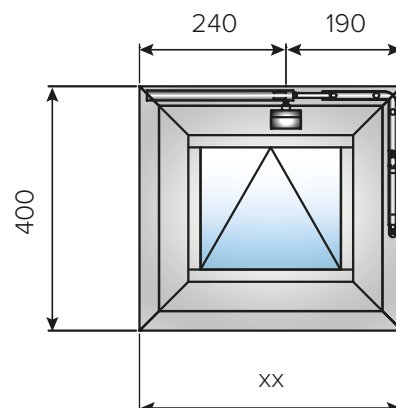
XX = 700 mm panel support, offset

XX = 900 mm panel support, central

Double-glazed window



Tilt window with skylight opener



XX = 430 mm panel support, offset

XX = 480 mm panel support, central



For detailed information, dimensions and panel diagrams, see the document "Technical drawings".

Handle types

Standard



Side-hung & tilt-and-turn windows

WH: Window handle 180°

Top-hung window

WH: Window handle 180°
Horizontal design

Handle colour:
F1 silver aluminium



Tilt window

SC: clamp catch

Handle colour:
White (RAL 9016)
Grey (RAL 9006)
Black (RAL 9005)

Optional



Side-hung & tilt-and-turn windows

PH: Pull handle outside

Handle colour:
F1 silver aluminium



Side-hung & tilt window & tilt-and-turn windows

LWH: Handle
lockable inside

Handle colour:
F1 silver aluminium



Side-hung & tilt window & tilt-and-turn windows

RH: Removable handle

Handle colour:
F1 silver aluminium



Tilt window

SN: Cord pull

KB: Connecting rod operation



Handle colour:
White (RAL 9016)
Grey (RAL 9006)
Black (RAL 9005)



Tilt window

UHK: Folding lever

Handle colour:
White (RAL 9016)
Grey (RAL 9006)
Black (RAL 9005)



Tilt window

MO: Chain motor 24 V
incl. transformer

Lift: 200 mm standard
Lift: < 200 mm available

Handle colour:
Clear anodised E6/EV1



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

FAQ about the Supertherm 80 windows

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 windows suited?

The windows of the Supertherm 80 line are suited for all kinds of applications requiring an insulated window. They are especially suited for use in combination with the Supertherm 80 folding wall or door.

When should I use a fixed window of the Supertherm 80 line?

Fixed glazing is a window element without a movable panel. Fixed glazing is expedient if the window does not have to be opened. Examples for the application of fixed glazing are: floor-to-ceiling windows, in combination with terrace doors, or in the ancillary rooms of a pool house.

What other systems is the Supertherm 80 window compatible with?

The windows of the Supertherm 80 line are compatible with the other systems of the Supertherm 80 line precisely because they have identical profiles, seals and accessories. The system can therefore be combined with the tried-and-tested folding wall and door.