

SKYFLOOR BF

TECHNICAL DATA

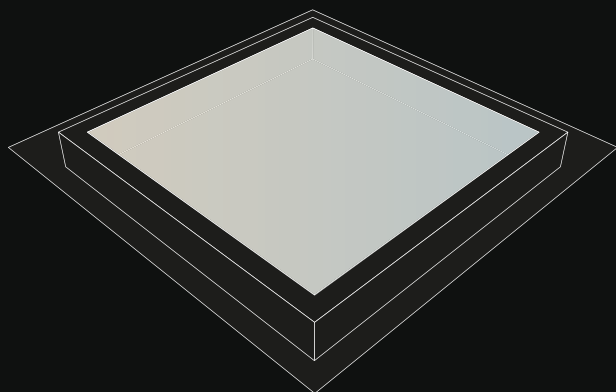
THE INSULATED WALK-ON GLAZING
FOR FLAT ROOFS

FORM

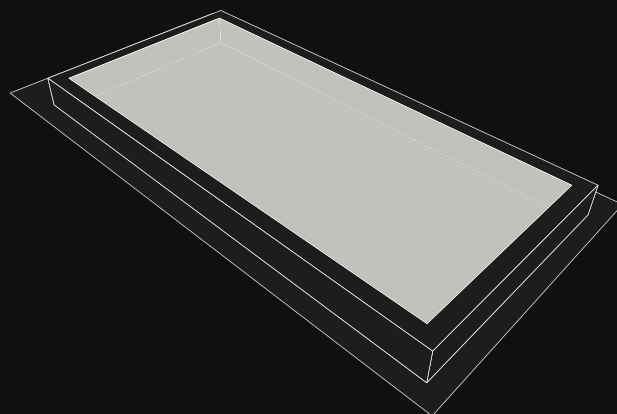
Choose the form of non-insulated walk-on floor glazing that best meets your needs. Built as standard, with a customised finish. Wide variety of add-ons can be individualised.



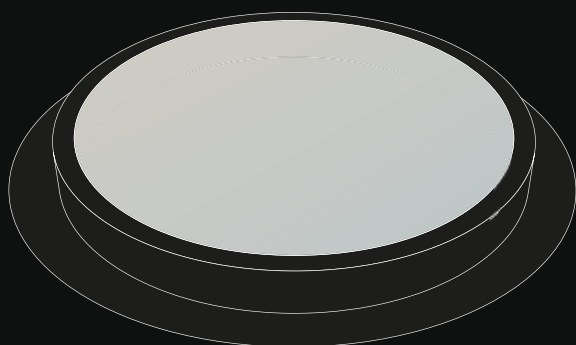
THE SQUARE



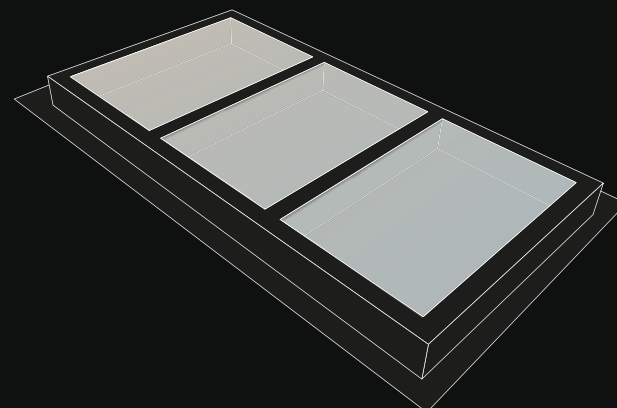
THE RECTANGLE



THE CIRCLE



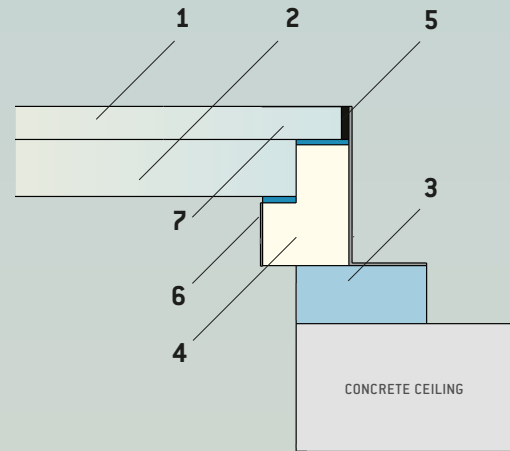
THE INDIVIDUAL



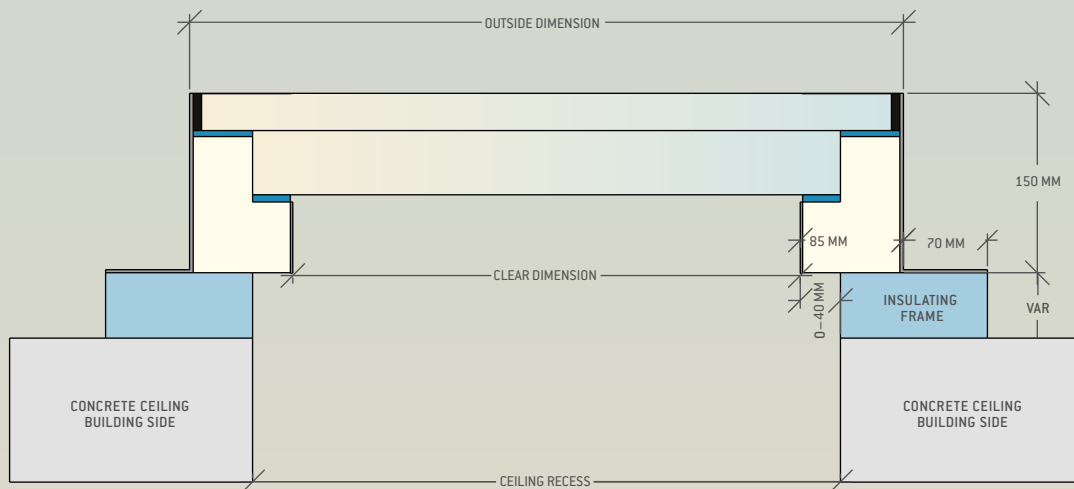
CONSTRUCTION

- 1 static laminated safety glass *
- 2 isolated laminated safety glass *
- 3 stainless steel frame
- 4 insulated core
- 5 sealing joint in black
- 6 inner frame of PVC or brushed stainless steel
- 7 ceramic strip in black

*laminated safety glass glazed in factory-provided frame



DIMENSIONS



STANDARD SQUARE SIZES:



SIZES FOR GUIDANCE

- up to 80 x 80cm
- up to 100 x 100cm
- up to 120 x 120cm
- up to 150 x 150cm
- up to 180 x 180cm

STANDARD RECTANGLE SIZES:



SIZES FOR GUIDANCE

- up to 100 x 60cm
- up to 120 x 80cm
- up to 140 x 100cm
- up to 200 x 100cm
- up to 300 x 100cm

STANDARD CIRCLE SIZES:



SIZES FOR GUIDANCE

- up to 80cm diameter
- up to 100cm diameter
- up to 120cm diameter
- up to 150cm diameter
- up to 180cm diameter

INDIVIDUAL SIZES AT THE PRICE OF THE INDICATED STANDARD SIZES.

clear dimension = outside dimension - 17cm

ceiling recess = outside dimension - 9cm

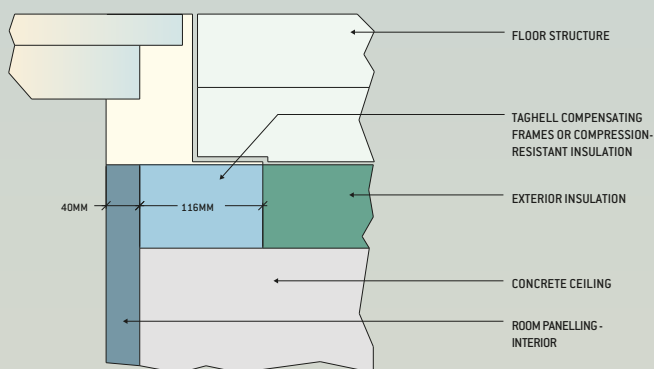
Weight: approx. 130kg per m²

CONNECTION

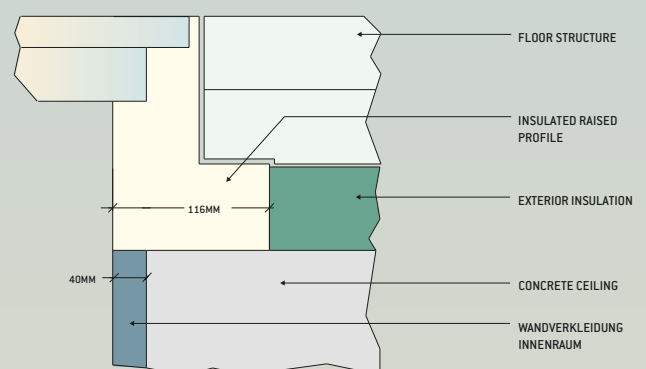
The installation of our Skyfloor BF can be undertaken by a roof specialist or by the Taghell team. The connections illustrated below are based on the type of roof and the conditions on site.

The sealing of the skyfloor needs to be carried out by a roof specialist.

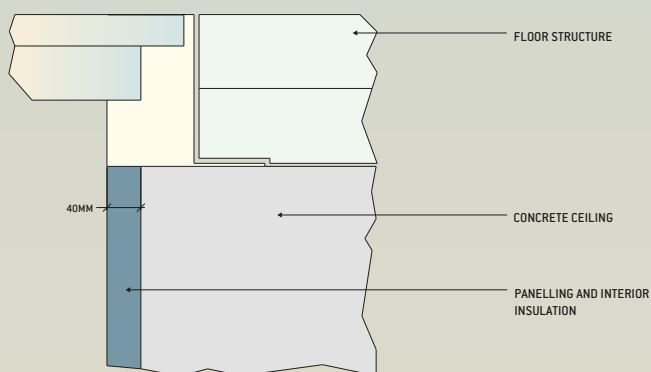
CONNECTION WITH TAGHELL INSULATING FRAMES



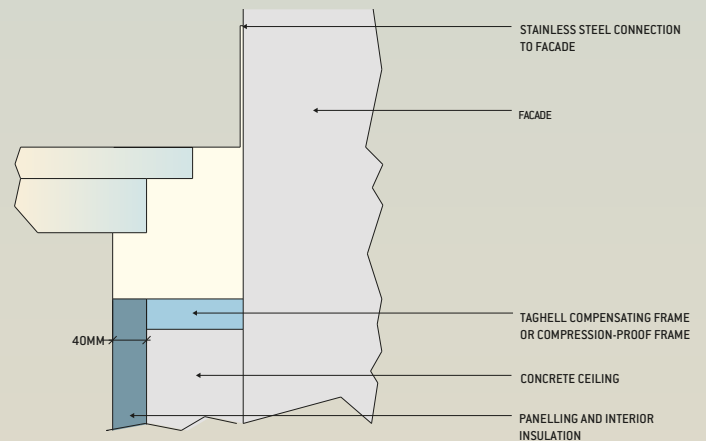
INSTALLATION WITH TAGHELL INSULATED RAISED PROFILES



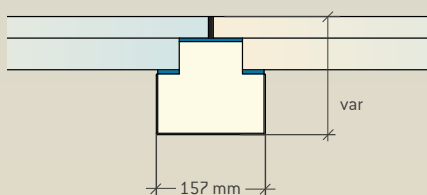
CONNECTION TO COLD ROOF



CONNECTION TO FACADE



DIVISION OF GLASS



For outdoor installations we recommend a 2% incline to ensure drainage of rain and condensate.

GLASS

Choose the glazing that best meets your needs.

	standard thermal insulation (2x glazing)	maximum thermal insulation (3x glazing)
	continually walkable	continually walkable
thermal transmission coefficient (vertical in W/m ² K)	1.1	0.6
total energy transmittance (in %)	47	41
luminous transmission index τ_L (in %)	73	66
sound insulation value (in dB)	≥ 50	≥ 50
carrying capacity (kN/m ²)	5	5

The given values are for guidance purposes

FRAME

Insulated core, thermally separated from stainless steel frame and inner frame, for the 4-sided embedding of walk-on glass.

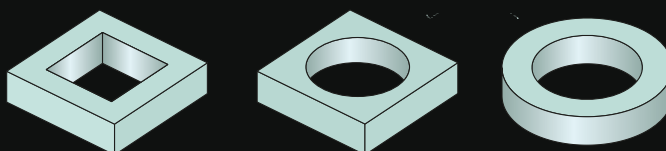
thermal conductance (W/m . K)	0.043
compressive strength (N/mm ²) ref. to EN 826	3.2

In standard sizes the Skyfloor BF provides a complete ready-to-install glass frame system comprising a frame with integrated walk-on glazing.

COMPENSATING FRAME

Compression-proof and thermal insulating rigid foam frame to compensate height differences of raw concrete ceiling and surrounding insulation. Variable in size and height.

thermal conductance (W/m . K)	0.043
compressive strength (N/mm ²) ref. to EN 826	3.2



STANDARD

Skyfloor BF meets the standards for walk-on glazing required in Germany, Austria and Switzerland.