

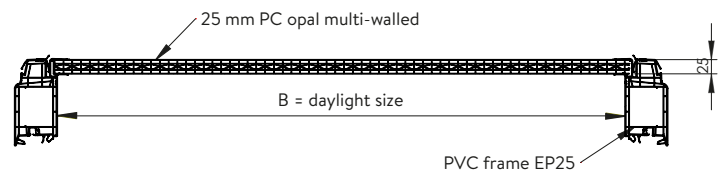


TECHNICAL FILE

Skylux[®]

PVC frame EP25 opal


SKYLUX
Hello daylight!



General product description

The PVC frame EP25 (Energy Profit) consists of a very firm and insulating PVC profile in combination with an opal multi-walled polycarbonate sheet of 25 mm thick. The wall thickness of the PVC frame is 3 mm and resistant to condensation. Multiple flexible coextruded PVC seals are provided all around the frame and ensure the frame and curb are windtight. The PVC frame EP25 is always combined with a plastic skylight of choice and offers the perfect insulation.

For fixed versions, the frame can be installed in between the curb and the skylight to obtain a better insulation. A corresponding mounting set (spring steel clip / insert hinges) are applicable depending on the type of curb.

For openable versions, the frame is provided with a stainless steel hook hinge and the bottom part of the hinge is attached to the curb. Installation on site is easy thanks to the fast installation system: curb, frame and skylight pre-mounted as a whole. This is prepared by the manufacturer.

Specific characteristics: Skylux PVC frame EP25

Mechanical characteristics	Impact resistant PVC of frame quality type Benvic S white
Thermal characteristics	U_e^* value 0.75 W/m ² K
Dimensions	Wall thickness 3 mm
Specific weight according to ISO 1183	1500 kg/m ³
Fire class according to EN 13501-1	PVC: E
Dimensions	Thickness: 76 mm Height: 140 mm Finished roof opening = daylight size

Specific characteristics: 25 mm polycarbonate

Polycarbonate	
Mechanical characteristics	TopX6 Polycarbonate
Thickness	± 25 mm
Specific weight	3300 kg/m ³
Light transmission according to EN 410	41 % (opal)
Solar factor g (ZTA) according to EN 410	0.37
Sound insulation Rw according to EN 717-1	21 dB
U _g value according to EN 673	1.5 W/m ² K
Fire classification	B-s1,d0 according to EN 13501

Specific characteristics: plastic skylight

Characteristics	See technical file of the chosen plastic skylight
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Specific characteristics: assembled whole

Light transmission LT	Polycarbonate: 41 % of the LT of the chosen plastic skylight (see technical file of the plastic skylight)
Solar factor g (ZTA) according to EN 410	See EPB programme
U value W/(m ² .K)	See EPB programme

Skylight type	U _t value (W/m ² K)					Energy profit EP10 mm
	single-walled	double-walled	triple-walled	4-walled (*)	5-walled (*)	
PC 25 mm EP	1.19	0.98	0.83	0.72	0.63	0.71

U_t = U value of the translucent part (= PC 25 mm EP and skylight), defined by the new EN 1873:2014+A1:2016 in accordance with EN 673.

(*) only for available sizes (see price list Skylux®)

Remark

To avoid heat build-up under the transparent skylight (plastic, hybrid, glass) and therefore possible deformation or damage to the PVC curb, frame, skylight dome or electrical components, it is recommended that no closed surface (e.g. black closed attic hatch) is installed under the skylights. A reflective (e.g. white) surface and/or ventilation is recommended.

Attestations and certificates

- The PVC frame EP25 is part of the CE certification for smoke extraction systems Skymax® CE and Skylux® 160° CE in accordance with EN 12.101-2.



EN 1873:2014+A1:2016

Fire classifications

- Fire classification M1
- Fire classification E (EN 11.925-2)

SKYLUX NV
SPINNERIJSTRAAT 100 - B-8530 STASEGEM
T +32 (0)56 20 00 00 - F +32 (0)56 21 95 99
INFO@SKYLUX.BE
WWW.SKYLUX.BE

