



TECHNICAL FILE

Skylux[®]

Corrugated triple-walled polycarbonate

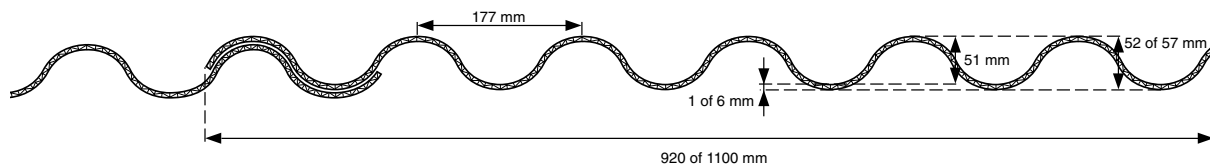




General product description

The corrugated triple-walled polycarbonate sheet is developed for plane applications, in which good light transmission and solidity are primordial. E.g. for industrial buildings, shelters, sheds and inner tracks. The sheet is particularly appropriated for outside use and in aggressive environments. The corrugated triple-walled polycarbonate is a multi-walled polycarbonate sheet, with co extruded UV protection on the outside. The specific structure of the sheet offers an explicit solidity and impact resistance.

The extremities of the sheet are welded and do not need to be taped. The corrugated triple-walled polycarbonate sheets resist normal hail. The corrugated triple-walled polycarbonate sheets are also available on request with cut angles; left or right cut angles (see picture).

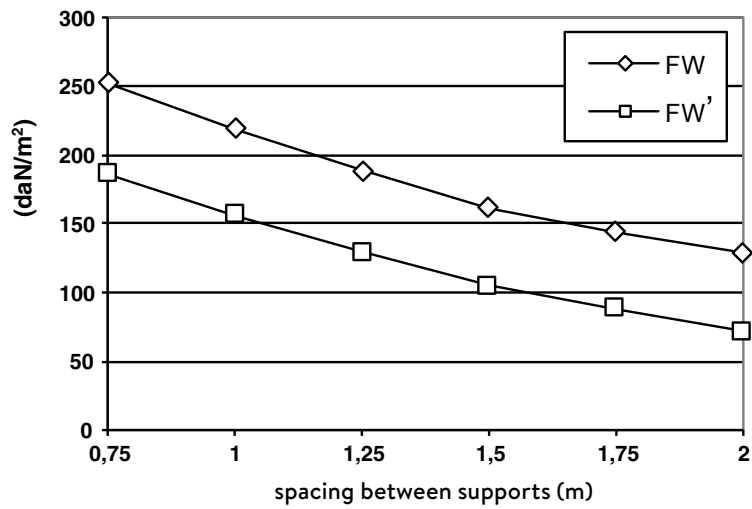


Specific characteristics

Type	Triple-walled FW
Sheet thickness	6 mm
Sheet width	1100 mm and 920 mm
Dimension corrugation	177/51 mm
Mechanical characteristics	Excellent hail resistance
Thermal characteristics	U-value 3,3 W/m ² .K
Translucid characteristics *	Clear: 80%
	Opal: 68% (on request)
	Heatstop opal (heat-resistant): only lets in 22% of the heat
Chemical characteristics	On request
Dilatation coefficient	0,065 mm/m.K
Handling temperature	-40°C to +120°C
Weight per m ²	2 kg/m ²
Density	1,2 kg/dm ³

Please consult our installation instructions. ! The UV protected side must be pointed to the outside / on top (drill dust of cement sheets can have an aggressive influence on the corrugated triple-walled polycarbonate sheets.)

Load diagram

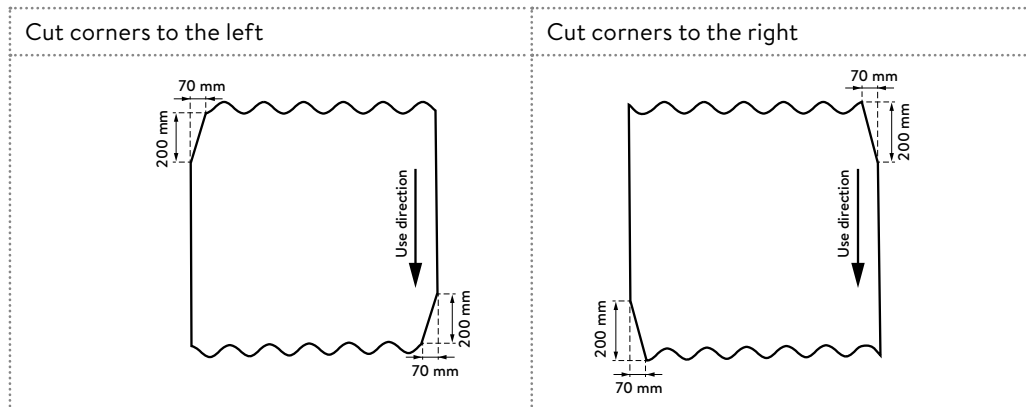


spacing between supports (m):

FW 1 sheet width as light band in a fibre cement roof

FW' several widths next to each other as large light band

Cut corners - on request



Attestations, certificates and documentation

- Fire rating: B, s1-d0 (EN13501:2002), M2
- Body impact: 1200 Joule

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