



TECHNICAL FILE

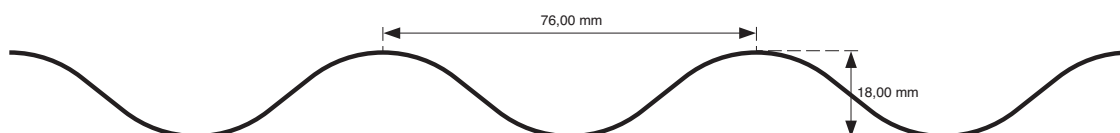
# Skylux<sup>®</sup>

Corrugated polyester - Polylux Supercristal Clear



## General product description

The Polylux® Supercristal Clear corrugated sheet is made for applications where high light transmission and sturdiness are important. E.g. for garages, bicycle parking stations, stables and industry. The sheet is specifically suitable for outside use in aggressive environments. Polylux® Supercristal Clear consists of high-quality polyester resin with additives and glass fibre. The addition of acrylic ensures a high brightness. The Polylux® Supercristal Clear sheets are extremely resistant to hail. Polylux® Supercristal Clear is also available in large lengths on roll for a seamless finish. Polylux® Supercristal Clear 76/18 on roll can also be used as a lower ceiling in barrel vaults (Cintralux) in buildings with sprinklers.



## Specific characteristics

Type .....	Corrugated
Sheet thickness .....	1 mm
Sheet width .....	Roll of 20 m / 30 m
Dimension corrugation .....	76/18 mm
Mechanic characteristics .....	11 to 13 N/mm <sup>2</sup> (excellent hail resistance)
Thermal characteristics .....	U value 5,74 W/m <sup>2</sup> .K (1mm)
Heat resistance without yellowing .....	-40°C to +120°C
Autoignition temperature .....	+400°C
Expansion coefficient .....	3x10 <sup>-5</sup> C°-1
Translucent characteristics .....	Supercristal Clear: 90% to 92% (glass 90%) maintains 85.4% after change
Chemical characteristics .....	Inert to petrol, alcohol, fats, acids and bases
Water absorption .....	0,15%
Specific weight .....	1,4 kg/cm <sup>3</sup>

## Installation

See the Polylux mounting instructions for a correct installation.

## Attestations and certificates

- Fire classification: M4
- Temperature resistance: 5 min 300°C (test report VKC11-2002)  
5 min 300°C (load of 150 N/m<sup>2</sup> - test report BFS/FB/034-2015.04.30)
- CEA4001:2009 (when used for a translucent lower ceiling)
- Ageing resistance: A2 according to ETAG 010 5.3.7.1.1

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