

## Technical specifications

### Product:

SOLIDARK

### Description:

Two channel polycarbonate layers (thickness 16 + 16 mm) are installed in a closed PVC profile frame with an integrated EPDM gasket, from the outside a galvanized steel sheet is attached to the PVC frame. Rectangular aluminium profiles are used to form the fill slope. The skylight is mounted on a safety frame, with EPDM gasket pressed in, a metal U-shaped profile and an adhesive thermal tape. The skylight base is made of structural steel it can be conical or vertical. The base is insulated with hard mineral wool 60 mm or other non-flammable thermal insulation layer and waterproof roofing.

### Glazing:

Two channel polycarbonate layers (thickness 16 + 16 mm), galvanized steel sheet.

### Light transmission:

0%

### Uses:

Ventilation, smoke extraction, roof hatch.

### Thermal insulation properties:

Heat transfer coefficient,  $U = 0.94 \text{ W/m}^2\text{K}$

### Harmonised standard:

Product complies with the harmonized standards:

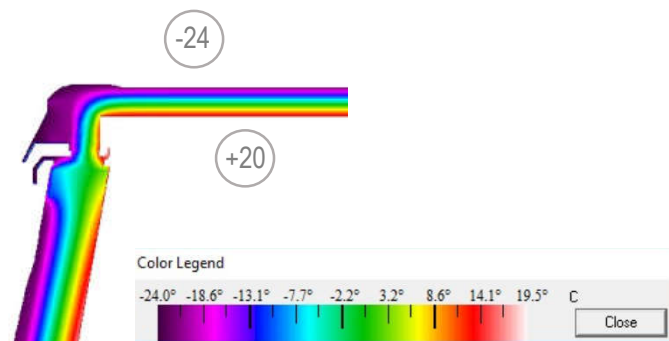
EN 1873:2014 + A1:2016

EN 12101-2: 2003

### Energy efficiency:

According to STR 2.01.02:2016 „PASTATŲ ENERGETINIO NAUDINGUMO PROJEKTAVIMAS IR SERTIFIKAVIMAS“, skylight SOLIPC Dark complies class A for all purpose buildings, class A+ for public and industrial buildings and class A++ industrial buildings requirements for energy efficiency.

### Declared properties:



Characteristics	Performance
Reliability (7.1)	Re 1000 + 10000 (type B)
Wind load (7.4)	WL 1500
Aerodynamic clearance (6)	A <sub>a</sub> – value <sup>1)</sup>
Heat resistance (7.5)	B 300
Opening under load (7.2)	SL 750
Low temperature resistance (7.3)	T (-15)
Flammability class (7.5.2.1)	B-s1,d0
Waterproofing	Complies
Air penetration	Ap 2,7/100
Thermal resistance	U – 0.94 W/m <sup>2</sup> K

<sup>1)</sup> A<sub>a</sub> – value is determined by the listed approvals