

## Technical specifications

### Product:

SOLICOM PC16

### Description:

Combined polycarbonate (thickness 16mm) and formed dome (thickness 2mm) are installed in a closed PVC profile frame with an integrated EPDM gasket. The fill may be clear or opaque. 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 60mm or other non-flammable thermal insulation layer and waterproof roofing.

### Frame:

PVC, color – white.

### Glazing:

Combined of channel polycarbonate (thickness 30mm) and one formed dome.

### Light transmission:

Clear – 62%  
Opaque – 54%

### Uses:

As natural lighting, ventilation, smoke extraction, roof hatch.

### Thermal insulation properties:

Heat transfer coefficient,  $U = 0.99 \text{ W/m}^2\text{K}$

### Harmonised standard:

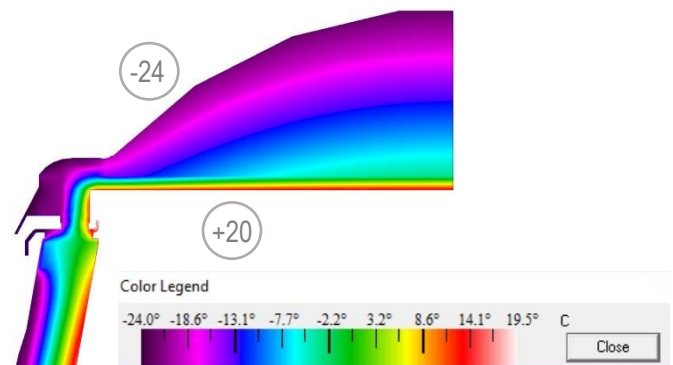
Product complies with the harmonized standards:

EN 1873:2014 + A1:2016  
EN 12101-2: 2017

### Energy efficiency:

According to STR 2.01.02:2016 „PASTATŲ ENERGETINIO NAUDINGUMO PROJEKTAVIMAS IR SERTIFIKAVIMAS“, skylight SOLICOM complies class A for all purpose buildings, class A+ for public and industrial buildings and class A++ for 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 4,7/100                           |
| Thermal resistance               | U – 0.99 W/m <sup>2</sup> K          |

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