

EN 1873



DECLARATION OF PERFORMANCE

alwitra PMMA rooflight with upstand
006-DoP-PMMA-2024-07

1. Product type

Unique identification code of the product type:

Plastic rooflight

2. Type

Batch or serial number or another marking for the identification of the construction product according to Article 11 Paragraph 4:

Acrylic glass rooflight, single or multi-layer with upstand

(Control number on product label)

3. Purpose of use

or the intended purposes of use of the construction product in accordance with the applicable harmonised technical specification, as envisaged by the manufacturer:

For natural illumination by means of daylight, for natural aeration and ventilation, and for smoke extraction

4. Name, registered trade name

or the registered trade mark and contact address of the manufacturer according to Article 11 Paragraph 5:

alwitra rooflight

alwitra GmbH
Am Forst 1, D-54296 Trier

5. Contact address

Where applicable, the name and contact address of the authorised representative responsible for the tasks referred to in Article 12 Paragraph 2:

Not relevant (see 4.)

6. Constancy of performance

System or systems for assessing and checking the constancy of performance of the construction product according to Annex V:

System 3

7. Notified body (hEN)

In the case of a declaration of performance concerning a construction product that is covered by a harmonised standard:

DIN EN 1873:2014 +A1: 2016

8. Notified body (ETA)

In the case of a declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant (see 7.)

9. Declared performance

Main features	Performance	Harmonised technical specification
Fire behaviour of PMMA	E	DIN EN 1873:2014 +A1:2016
Fire behaviour of the PVC upstand and vent frame	E	
Behaviour in the event of exposure to external fire	F _{roof}	
Watertightness	Passed 0° / 25°	
Impact loads - large soft body - small hard body	NPD NPD	
Resistance to upward loads	UL 1500	
Resistance to downward loads	DL 1000	
Airtightness	NPD	
Direct airborne sound insulation R _w	1S - dB 2S 20 dB 3S 22 dB 4S 23 dB 5S 24 dB 2SWD 21 dB	
Thermal resistance U _{rc, ref300}	1S 2.78 W/m ² K 2S 1.88 W/m ² K 3S 1.41 W/m ² K 4S 1.24 W/m ² K 5S 1.13 W/m ² K 2SWD 1.25 W/m ² K	
A _{rc, ref300} : 2.84 m ²		
LT / g ref 1S *	90% / 0.87%	
Durability	ΔA CU1 Ku1	
Hazardous substances	Less than the maximum permissible values	

* The U_{rc} values are reference values A_{rc,ref300}: 2.84 m² with daylight dimensions of 1000 x 1000 mm. These take into account the entire structure of the lighting element. A corresponding calculation tool is required for each individual calculation of the LT or g-values, ref 1S.

10. Declaration

The performance of the product according to numbers 1 and 2 corresponds to the declared performance according to number 9. The manufacturer named in No. 4 is solely responsible for the preparation of this declaration of performance.

Signed for and on behalf of the manufacturer by:



Fritz Stockinger
Managing Director



Dr Ali Ghandehari
Managing Director

Trier, July 2024

Version 2. 7/2024



This version replaces all earlier versions. To obtain the latest version of this document, scan the QR code or use this link: www.alwitra.de/downloads

The information, technical details or installation instructions contained in this document have been compiled to the best of our knowledge and were considered correct at the time of publication. alwitra is committed to continuous improvement and therefore reserves the right to change or supplement the product specifications without prior notice, in particular if necessitated by changes in the law. No rights can be derived from this document. Subject to changes and typographical/printing errors.