



## DECLARATION OF PERFORMANCE

No. 001DoP2016-03

1. Unique identification code of the product-type:

**Individual roof light of plastic and safety glass**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

**Skylux iDome™**

**Single and multi-walled daylight with upstand combined with glass**

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

**For lighting by means of daylight and for ventilating interiors by means of opening devices.**

4. Name, registered trade name or registered trade mark and contact address of the manufacturer:

**AG Plastics NV,  
Spinnerijstraat 100,  
B-8530 Stasegem, Belgium  
Tel. +3256200000  
Fax: +3256219599  
Email: [info@agplastics.com](mailto:info@agplastics.com)**

5. Where applicable, name and contact address of the authorized representative.

**Not applicable**

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

**AVCP System 3**

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

**EN 1873:2014+A1:2016**

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

**Not applicable**

9. Declared performance Skylux iDome™:

Essential characteristics	Performance	Harmonized technical specification
Reaction to fire PC Reaction to fire PMMA Reaction to fire PVC frame Reaction to fire aluminum Reaction to fire glass	B-s <sub>1</sub> ,d <sub>0</sub> E E A1 A1	EN 13501-1
Water tightness	Pass op 0° / Pass op 25°	EN 1873:2014+A1:2016
Impact resistance Large soft body: Skylux iDome™ + SW XT or PC dome Small hard body: Every combination	SB 1200  Pass	EN 1873:2014+A1:2016
Upward load	UL 3000	EN 1873:2014+A1:2016
Downward load	DL 2400	EN 1873:2014+A1:2016
Air permeability	Ap 1	EN 1873:2014+A1:2016
Sound insulation: Skylux iDome™ glass Skylux iDome™ + dome	R <sub>w</sub> = 37 (-2, -6) dB R <sub>w</sub> = 38 - 40 dB	EN 717-1
Thermal resistance: Skylux iDome™ + SW dome + pvc 16-20 EP curb Skylux iDome™ + SW dome + pvc 16-00 curb Skylux iDome™ + SW dome + pvc 30-20 curb Skylux iDome™ + SW dome + pvc 35-30 curb Skylux iDome™ + DW dome + pvc 16-20 EP curb Skylux iDome™ + DW dome + pvc 16-00 curb Skylux iDome™ + DW dome + pvc 30-20 curb Skylux iDome™ + DW dome + pvc 35-30 curb Skylux iDome™ + 3W dome + pvc 16-20 EP curb Skylux iDome™ + 3W dome + pvc 16-00 curb Skylux iDome™ + 3W dome + pvc 30-20 curb Skylux iDome™ + 3W dome + pvc 35-30 curb Skylux iDome™ + 4W dome + pvc 16-20 EP curb Skylux iDome™ + 4W dome + pvc 16-00 curb Skylux iDome™ + 4W dome + pvc 30-20 curb Skylux iDome™ + 4W dome + pvc 35-30 curb Skylux iDome™ + 5W dome + pvc 16-20 EP curb Skylux iDome™ + 5W dome + pvc 16-00 curb Skylux iDome™ + 5W dome + pvc 30-20 curb Skylux iDome™ + 5W dome + pvc 35-30 curb Skylux iDome™ + EP10 dome + pvc 16-20 EP curb Skylux iDome™ + EP10 dome + pvc 16-00 curb Skylux iDome™ + EP10 dome + pvc 30-20 curb Skylux iDome™ + EP10 dome + pvc 35-30 curb Skylux iDome™ + EP16 dome + pvc 16-20 EP curb Skylux iDome™ + EP16 dome + pvc 16-00 curb Skylux iDome™ + EP16 dome + pvc 30-20 curb	U <sub>rc</sub> = 1,00 W/m <sup>2</sup> K U <sub>rc</sub> = 1,06 W/m <sup>2</sup> K U <sub>rc</sub> = 1,04 W/m <sup>2</sup> K U <sub>rc</sub> = 0,94 W/m <sup>2</sup> K U <sub>rc</sub> = 0,93 W/m <sup>2</sup> K U <sub>rc</sub> = 0,99 W/m <sup>2</sup> K U <sub>rc</sub> = 0,99 W/m <sup>2</sup> K U <sub>rc</sub> = 0,89 W/m <sup>2</sup> K U <sub>rc</sub> = 0,88 W/m <sup>2</sup> K U <sub>rc</sub> = 0,94 W/m <sup>2</sup> K U <sub>rc</sub> = 0,95 W/m <sup>2</sup> K U <sub>rc</sub> = 0,86 W/m <sup>2</sup> K U <sub>rc</sub> = 0,84 W/m <sup>2</sup> K U <sub>rc</sub> = 0,90 W/m <sup>2</sup> K U <sub>rc</sub> = 0,92 W/m <sup>2</sup> K U <sub>rc</sub> = 0,84 W/m <sup>2</sup> K U <sub>rc</sub> = 0,81 W/m <sup>2</sup> K U <sub>rc</sub> = 0,87 W/m <sup>2</sup> K U <sub>rc</sub> = 0,90 W/m <sup>2</sup> K U <sub>rc</sub> = 0,82 W/m <sup>2</sup> K U <sub>rc</sub> = 0,84 W/m <sup>2</sup> K U <sub>rc</sub> = 0,89 W/m <sup>2</sup> K U <sub>rc</sub> = 0,92 W/m <sup>2</sup> K U <sub>rc</sub> = 0,83 W/m <sup>2</sup> K U <sub>rc</sub> = 0,79 W/m <sup>2</sup> K U <sub>rc</sub> = 0,84 W/m <sup>2</sup> K U <sub>rc</sub> = 0,88 W/m <sup>2</sup> K	EN 1873:2014+A1:2016

<b>Skylux iDome™ + EP16 dome + pvc 35-30 curb</b>	<b><math>U_{rc} = 0,80 \text{ W/m}^2\text{K}</math></b>	
<b>Light transmission Skylux iDome™</b>	<b>77,4 % of the LT of the chosen dome</b>	<b>EN 410</b>
<b>Light transmission dome</b>		<b>EN ISO 13468-2</b>
<b>PC</b>	<b>85 %</b>	
<b>PMMA</b>	<b>90 %</b>	
<b>glass</b>	<b>79 %</b>	
<b>Durability dome</b>		<b>EN 1873:2005</b>
<b>PC</b>	<b><math>\Delta A \text{ CU } 2 \text{ Ku } 1</math></b>	
<b>PMMA</b>	<b><math>\Delta A \text{ CU } 2 \text{ Ku } 1</math></b>	
<b>Solar factor g (ZTA)</b>		<b>EN 410</b>
<b>Skylux iDome™ glass</b>	<b>56,5 %</b>	
<b>Skylux iDome™ + dome</b>	<b>In function of the chosen dome</b>	
<b>Dangerous substances</b>	<b>No dangerous substances above the acceptable limits</b>	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Tom Vandamme  
 Technical Manager  
 Stasegem, March 2016

