

Declaration of Performance

No. 01/2020/ ART

1. Unique product ID: **ACG/2014**
2. Indented application: **Used to provide natural lighting, ventilation and exits to the roof for residential and non-residential buildings. Installation is suitable for flat or slightly sloped roofs.**
3. Manufacturer: **Artus, s.r.o., Křižíkova 2413, 256 01 Benešov, Business ID: 25793985**
4. Entrusted subject: not relevant
5. POSV system/systems: **system 3**
- 6a. Harmonized standard: **EN 1873:2005**

Notified bodies: **Technical and Test Institute for Construction in Prague, s.o., subsidiary 0100 Prague**, Prosecká 811/76a, 190 00 Praha 9, Czech Republic, no. 1020 issued the declaration protocol no. 1020 – CPR – 010039533 dated 28 Feb 2018.
PAVUS, a.s., subsidiary Veselí nad Lužnicí, Prosecká 412/74, 190 00 Praha 9 issued the flame reaction classification protocol no. PK1-01-19-048-C-0 dated 28 Aug 2019.

7. Declared property / declared properties:

Basic characteristics	Properties	Harmonized technical specifications
Mechanical endurance:		EN 1873:2005
- upward load	UL 3000	
- downward load	DL 2500 (without cover dome) DL 1125 (with cover dome)	
Reaction to flame:	See Annex 1	
Fire resistance:	NPD	
Behaviour in case of external fire:	NPD	
Water resistance:		
- Skylight with a stand	Passed	
- Light-permeant part of the skylight	Passed	
Shock resistance:		
- Hard body of small dimensions	Passed	
- Soft body of large dimensions	SB 1200	
Air sound proofing:	Depends on type of filling (see Annex 1)	
Heat transfer:	(See Annex 1)	
Transmittance	Depends on type of filling (see Annex 1)	
Air tightness:	Class 2	
Shelf life:		
- Change of overall light transmittance	NPD	
- Yellow index change	NPD	
- Change of mechanical properties	NPD	

8. Associated technical documentation: not relevant

The properties of the above-stated product complies with the set of declared properties. This declaration of performance is in compliance with Regulation (EU) No. 305/2011 issued on the exclusive liability of the above-stated manufacturer.

Signed for and in behalf of the producer:

In Benešov, dated 6 Jan 2020

Declaration of Product Performance for ACG/2014, no. 01/2020/ART

Daniel Artus – representative



Declaration of Performance No. 01/2020/ ART– Annex 1

Product:

ARTUS point roof skylight – Composite Glass (ACG)

Basic characteristics	Properties
Reaction to fire	Class E
Heat transfer coefficient with stand	NPD
Heat transfer coefficient without stand <ul style="list-style-type: none"> - Skylight with glazing – four-layer dome - Skylight with glazing – three-layer dome - Skylight with glazing – two-layer dome - Skylight with glazing – INTERM TF - Skylight with glazing – INTERM TF + cover dome - Skylight with glazing – insulating layered double glass - Skylight with glazing – PC sheet 16 mm thick + cover dome - Skylight with glazing – PC sheet 25 mm thick + cover dome - Skylight with glazing – PC sheet 32 mm thick + cover dome - Skylight with glazing – PC sheet 16 mm thick - Skylight with glazing – PC sheet 25 mm thick - Skylight with glazing – PC sheet 32 mm thick 	$U_g=1,31 \text{ W/m}^2\text{K}$, $U_w=1,30 \text{ W/m}^2\text{K}$ $U_g=1,75 \text{ W/m}^2\text{K}$, $U_w=1,64 \text{ W/m}^2\text{K}$ $U_g=2,64 \text{ W/m}^2\text{K}$, $U_w=2,32 \text{ W/m}^2\text{K}$ $U_g=0,70 \text{ W/m}^2\text{K}$, $U_w=0,95 \text{ W/m}^2\text{K}$ $U_g=0,63 \text{ W/m}^2\text{K}$, $U_w=0,90 \text{ W/m}^2\text{K}$ $U_g=1,10 \text{ W/m}^2\text{K}$, $U_w=1,26 \text{ W/m}^2\text{K}$ $U_g=1,40 \text{ W/m}^2\text{K}$, $U_w=1,37 \text{ W/m}^2\text{K}$ $U_g=1,10 \text{ W/m}^2\text{K}$, $U_w=1,14 \text{ W/m}^2\text{K}$ $U_g=0,90 \text{ W/m}^2\text{K}$, $U_w=0,98 \text{ W/m}^2\text{K}$ $U_g=1,82 \text{ W/m}^2\text{K}$, $U_w=1,69 \text{ W/m}^2\text{K}$ $U_g=1,30 \text{ W/m}^2\text{K}$, $U_w=1,29 \text{ W/m}^2\text{K}$ $U_g=1,10 \text{ W/m}^2\text{K}$, $U_w=1,14 \text{ W/m}^2\text{K}$
Heat transfer coefficient of the stand (upstand) <ul style="list-style-type: none"> - PVC upstand – splayed upstand with PUR insulation - PVC upstand – vertical upstand with PUR insulation - laminate upstand with PUR insulation - steel upstand with ORSIL insulation 	Declared parameters according to ČSN EN ISO 6946 $U_w = 0,88 \text{ W/(m}^2\text{K)}^*$ $U_w = 0,92 \text{ W/(m}^2\text{K)}^*$ $U_w = 0,88 \text{ W/(m}^2\text{K)}^*$ $U_w = 0,96 \text{ W/(m}^2\text{K)}^*$
Air sound proofing <ul style="list-style-type: none"> - Skylight with glazing – insulating layered double glass + cover dome - Skylight with glazing – four-layer dome - Skylight with glazing – PC sheet 25 mm thick + cover dome 	$R_w=31 \text{ dB}$ $R_w=25 \text{ dB}$ $R_w=25 \text{ dB}$
Air permeability <ul style="list-style-type: none"> - Skylight with glazing – PC sheet 25 mm thick with no cover dome - Skylight with glazing – two-to-four-layer dome 	Class 2
Water tightness <ul style="list-style-type: none"> - Skylight with glazing – PC sheet 25 mm thick with and without cover dome - Skylight with glazing – two-to-four-layer dome 	Passed
Upward load <ul style="list-style-type: none"> - Skylight with glazing – PC sheet with and without cover dome - Skylight with glazing – layered glass with and without cover dome - Skylight with glazing – two-to-four-layer dome 	UL 3000
Downward load <ul style="list-style-type: none"> - Skylight with glazing – PC sheet without cover dome - Skylight with glazing – PC sheet with cover dome - Skylight with glazing – layered glass without cover dome - Skylight with glazing – layered glass with cover dome - Skylight with glazing – two-to-four-layer dome 	$DL 2500$ $DL 1125$ $DL 2500$ $DL 1125$ $DL 2500$
Hard body impact <ul style="list-style-type: none"> - Skylight with glazing – PC sheet with and without cover dome - Skylight with glazing – layered glass with and without cover dome - Skylight with glazing – two/three/four-layer dome 	No damage
Soft body impact <ul style="list-style-type: none"> - Skylight with glazing – PC sheet with and without cover dome - Skylight with glazing – layered glass with and without cover dome - Skylight with glazing – two-to-four-layer dome - Skylight with glazing – one-layer Plexiglas Ressit SG dome 	SB 1200
Light transmittance <ul style="list-style-type: none"> - PMMA dome glazing – one-layer, clear - PMMA dome glazing – one-layer, opal - PMMA dome glazing – two/three/four-layer clear dome - PMMA dome glazing – two/three/four-layer opal dome - Glazing INTERM TF safety insulating glass - Glazing safety insulating layered glass - PMMA dome glazing – one-layer + INTERM TF 	93% 89% $80\%, 75\%, 70\%$ $75\%, 70\%, 65\%$ 67% 76% 72%

Signed for and in behalf of the producer:

In Benešov, dated 6 Jan 2020

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Daniel Artus – representative



Annex 2: CE marking

ARTUS point roof skylight – Composite Glass (ACG) without stand



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Artus, s.r.o., Křižíkova 2413, 256 01 Benešov, Business ID: 25793985

EN 1873:2005

Declaration of Performance No. 01/2020/ ART – see www.svetlikyartus.cz

ACG/2014

Point roof skylight without stand, used to provide natural lighting, ventilation and exits to the roof for residential and non-residential buildings. Installation is suitable for flat or slightly sloped roofs.

Mechanical endurance:	
- upward load	UL 3000
- downward load	DL 2500 (without cover dome) DL 1125 (with cover dome)
Reaction to fire:	Class E
Fire resistance:	NPD
Behaviour in case of external fire:	NPD
Water resistance:	
- Skylight with a stand	Passed
- Light-permeant part of the skylight	Passed
Shock resistance:	
- Hard body of small dimensions	Passed
- Soft body of large dimensions	SB 1200
Air sound proofing:	Depends on type of filling- see Annex 1
Heat transfer coefficient:	
- Light-permeant part of the skylight	Depends on type of filling- see Annex 1
Transmittance	Depends on type of filling- see Annex 1
Air tightness:	
- Skylight with a stand	Class 2
- Light-permeant part of the skylight	Passed
Shelf life:	
- Change of overall light transmittance	NPD
- Yellow index change	NPD
- Changes in mechanical properties	NPD

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In Benešov, dated 6 Jan 2020

Declaration of Product Performance for ACG/2014, no. 01/2020/ART

Daniel Artus – representative

**ARTUS point roof skylight – Composite Glass (ACG)
with PVC or laminate stand**



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EN 1873:2005

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ACG/2014

Point roof skylight with stand, used to provide natural lighting, ventilation and exits to the roof for residential and non-residential buildings. Installation is suitable for flat or slightly sloped roofs.

Mechanical endurance:	
- upward load	UL 3000
- downward load	DL 2500 (without cover dome) DL 1125 (with cover dome)
Reaction to fire:	Class E
Fire resistance:	NPD
Behaviour in case of external fire:	NPD
Water resistance:	
- Skylight with a stand	Passed
- Light-permeant part of the skylight	Passed
Shock resistance:	
- Hard body of small dimensions	Passed
- Soft body of large dimensions	SB 1200
Air sound proofing:	Depends on type of filling- see Annex 1
Heat transfer coefficient:	
- Light-permeant part of the skylight	Depends on type of filling- see Annex 1
Transmittance	Depends on type of filling- see Annex 1
Air tightness:	
- Skylight with a stand	Class 2
- Light-permeant part of the skylight	Passed
Shelf life:	
- Change of overall light transmittance	NPD
- Yellow index change	NPD
- Changes in mechanical properties	NPD

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