



Declaration of performance

ESD/DOP-Nr.271

1. Product system	Composite GENE0 MD I ELBRO MD
2. Application	Inward opening windows, fixed frame windows and balcony doors for residential and non-residential construction
3. Manufacturer	UAB "Aradas", registration number 301818042 Gamybos str. 12, LT-62175, Alytus, Lithuania
4. Performance assessment system	3
5. Conformity standard:	EN 14351-1:2006 + A1:2016
6. Notified testing authority:	Institute für Fenstertechnik e.V., Rosenheim (nr 075)

This declaration of conformity is issued under the sole responsibility of the manufacturer, products in the table below are in accordance with EN 14351-1:2006 + A1:2016 standard and verified by assessment of the notified bodies.

Characteristics	Turn/Tilt window	Kipp window	Fixed frame window	Combination window ^d	Single sash Turn/Tilt balcony door	Double sash Turn/Tilt balcony double sash door
Product ID	PK	KF	PF	PK-FR	TK	DK
Product measurements	1230x1480	1230x1480	1230x1480	2000x1480	1230x2180	2000x2180
Air permeability (EN 12207)	4	4	4	4	4	4
Water tightness (EN 12208)	E750	E750	E750	E750	E750	E750
Wind resistance (EN 12210)	B5	B5	B5	B3	B5	B3
Thermal transmittance U_w (EN ISO 10077-1 & EN ISO 10077-2), $W/m^2 K$	*1,2	*1,2	*1,2	*1,2	*1,2	*1,2
Light transmission T_L , % (EN 410)	*82	*82	*82	*82	*82	*82
Solar energy transmission g , % (EN 410)	*65	*65	*65	*65	*65	*65
Acoustic performance (EN ISO 140-1:1997+A1:2004), $R_w (C; C_{tr})$ dB	^{aa} 45 (-1;-4) ^{ab} 46 (-1;-3) ^{ac} 47 (-1;-3)	^{aa} 45 (-1;-4) ^{ab} 46 (-1;-3) ^{ac} 47 (-1;-3)	^{aa} 45 (-1;-4) ^{ab} 46 (-1;-3) ^{ac} 47 (-1;-3)	^{aa} 45 (-1;-4) ^{ab} 46 (-1;-3) ^{ac} 47 (-1;-3)	^{aa} 45 (-1;-4) ^{ab} 46 (-1;-3) ^{ac} 47 (-1;-3)	^{aa} 45 (-1;-4) ^{ab} 46 (-1;-3) ^{ac} 47 (-1;-3)

* formula of glass panel (4-16ar (SWS)-4 XN) – 2 layers of glass. Inner glass with selective coating, outer glass is clear glass. Warm edge is included in gap - Swisspacer (advanced), gap is filled with argon gas – 90%;

^{aa} formula of glass panel ((44.2 SS-12ar-4-12ar-44.2 SS) – 3 layers of glass. Inner and outer glass are laminated glass with sound reducing film between them, middle glass is clear glass;

^{ab} formula of glass panel (66.2 SS-24ar-44.2 SS) – 2 layers of glass. Inner and outer glass are laminated glass with sound reducing film between them;

^{ac} formula of glass panel (66.2 SS-12ar-4-12ar-44.2 SS) – 3 layers of glass. Inner and outer glass is laminated glass with sound reducing film between them, middle glass is clear glass;

^d Double sash escape window. Slave sash with movable mullion

On behalf of manufacturer signed by:

Arturas Radzevičius

Product technologist - constructor

UAB "Aradas"

LT-62175, Alytus

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ADDRESS ŠVITRIGAILOS 11H, LT-03228, VILNIUS

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Characteristics	Turn/Tilt window	Kipp window	Fixed frame window	Combination window ^d	Single sash Turn/Tilt balcony door	Double sash Turn/Tilt balcony double sash door
Product ID	PK	KF	PF	PK-FR	TK	DK
Product measurements	1230x1480	1230x1480	1230x1480	2000x1480	1230x2180	2000x2180
Air permeability (EN 12207)	4	4	4	4	4	4
Water tightness (EN 12208)	E750	E750	E750	E750	E750	E750
Wind resistance (EN 12210)	B5	B5	B5	B3	B5	B3
Thermal transmittance U_w (EN ISO 10077-1 & EN ISO 10077-2), $W/m^2 K$	*0,74	*0,74	*0,72	*0,74	*0,75	*0,77
Light transmission T_L , % (EN 410)	*73	*73	*73	*73	*73	*73
Solar energy transmission g , % (EN 410)	*53	*53	*53	*53	*53	*53
Acoustic performance (EN ISO 140-1:1997+A1:2004), R_w (C;C _{tr}) dB	*a 45 (-1;-4)	*a 45 (-1;-4)	*a 45 (-1;-4)	*a 45 (-1;-4)	*a 45 (-1;-4)	*a 45 (-1;-4)
	*b 46 (-1;-3)	*b 46 (-1;-3)	*b 46 (-1;-3)	*b 46 (-1;-3)	*b 46 (-1;-3)	*b 46 (-1;-3)
	*c 47 (-1;-3)	*c 47 (-1;-3)	*c 47 (-1;-3)	*c 47 (-1;-3)	*c 47 (-1;-3)	*c 47 (-1;-3)

* formula of glass panel (4XN-18ar (SWS)-4-18ar (SWS)-4 XN) – 3 layers of glass. Inner and outer glass with selective coating, middle glass is clear glass. Warm edge is included in gaps - Swisspacer (advanced), gaps are filled with argon gas – 90%;

^a formula of glass panel ((44.2 SS-12ar-4-12ar-44.2 SS) – 3 layers of glass. Inner and outer glass are laminated glass with sound reducing film between them, middle glass is clear glass;

^b formula of glass panel (66.2 SS-24ar-44.2 SS) – 2 layers of glass. Inner and outer glass are laminated glass with sound reducing film between them;

^c formula of glass panel (66.2 SS-12ar-4-12ar-44.2 SS) – 3 layers of glass. Inner and outer glass is laminated glass with sound reducing film between them, middle glass is clear glass;

^d Double sash escape window. Slave sash with movable mullion

On behalf of manufacturer signed by:

Arturas Radzevičius

Product technologist - constructor

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Declaration of performance

ESD/DOP-Nr.253

1. Product system	Composite GENE0 MD I ELBRO MD
2. Application	Entrance doors for residential and non-residential construction
3. Manufacturer	UAB "Aradas", registration number 301818042 Gamybos str. 12, LT-62175, Alytus, Lithuania
4. Performance assessment system	3
5. Conformity standard:	EN 14351-1:2006 + A1:2016
6. Notified testing authority:	Institute für Fenstertechnik e.V., Rosenheim (nr 075)

This declaration of conformity is issued under the sole responsibility of the manufacturer, products in the table below are in accordance with EN 14351-1:2006 + A1:2016 standard and verified by assessment of the notified bodies.

Characteristics	Single sash Entrance door (20mm ALU threshold) with glass panel	Single sash Entrance door (20mm ALU threshold) with filling panel
Product ID	EFD	EDF
Product measurements	1230x2180	1230x2180
Air permeability (EN 12207)	2	4
Water tightness (EN 12208)	4A	4A
Wind resistance (EN 12210)	C2/B2	C3
Thermal transmittance U_w (EN ISO 10077-1 & EN ISO 10077-2), $W/m^2 K$	*1.2	**1.3
Light transmission T_L , % (EN 410)	*82	-
Solar energy transmission g , % (EN 410)	*65	-
Acoustic performance (EN ISO 140-1:1997+A1:2004), $R_w (C;C_{tr})$ dB	-	-

* formula of glass panel (4-16ar (SWS)-4 XN) – 2 layers of glass. Inner glass with selective coating, outer glass is clear glass. Warm edge is included in gap - Swisspacer (advanced), gap is filled with argon gas – 90%.

** 24mm filling

On behalf of manufacturer signed by:

Arturas Radzevičius

Product technologist - constructor

UAB "Aradas"

LT-62175, Alytus

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Declaration of performance

ESD/DOP-Nr.174

1. Product system	Composite GENE0 MD I ELBRO MD
2. Application	Entrance doors for residential and non-residential construction
3. Manufacturer	UAB "Aradas", registration number 301818042 Gamybos str. 12, LT-62175, Alytus, Lithuania
4. Performance assessment system	3
5. Conformity standard:	EN 14351-1:2006 + A1:2016
6. Notified testing authority:	Institute für Fenstertechnik e.V., Rosenheim (nr 075)

This declaration of conformity is issued under the sole responsibility of the manufacturer, products in the table below are in accordance with EN 14351-1:2006 + A1:2016 standard and verified by assessment of the notified bodies.

Characteristics	Single sash Entrance door (20mm ALU threshold) with glass panel	Single sash Entrance door (20mm ALU threshold) with filling panel
Product ID	EFD	EDF
Product measurements	1230x2180	1230x2180
Air permeability (EN 12207)	2	4
Water tightness (EN 12208)	4A	4A
Wind resistance (EN 12210)	C2/B2	C3
Thermal transmittance U_w (EN ISO 10077-1 & EN ISO 10077-2), $W/m^2 K$	*0.82	**0.91
Light transmission T_L , % (EN 410)	*73	-
Solar energy transmission g , % (EN 410)	*53	-
Acoustic performance (EN ISO 140-1:1997+A1:2004), $R_w (C;C_{tr})$ dB	-	-

* formula of glass panel (4XN-18ar (SWS)-4-18ar (SWS)-4 XN) – 3 layers of glass. Inner and outer glass with selective coating, middle glass is clear glass. Warm edge is included in gaps - Swisspacer (advanced), gaps are filled with argon gas – 90%.

** 48mm filling

On behalf of manufacturer signed by:

Arturas Radzevičius

Product technologist - constructor

UAB "Aradas"

LT-62175, Alytus



Declaration of performance

ESD/DOP-Nr.269

1. Product system	Composite GENE0 MD I ELBRO MD
2. Application	Terrace doors for residential and non-residential construction
3. Manufacturer	UAB "Aradas", registration number 301818042 Gamybos str. 12, LT-62175, Alytus, Lithuania
4. Performance assessment system	3
5. Conformity standard:	EN 14351-1:2006 + A1:2016
6. Notified testing authority:	Institute für Fenstertechnik e.V., Rosenheim (nr 075)

This declaration of conformity is issued under the sole responsibility of the manufacturer, products in the table below are in accordance with EN 14351-1:2006 + A1:2016 standard and verified by assessment of the notified bodies.

Characteristics	Single sash Terrace door (72mm PVC threshold)**	Double sash Terrace door (72mm PVC threshold)**
Product ID	ETD	EDT
Product measurements	1230x2180	2000x2180
Air permeability (EN 12207)	4	4
Water tightness (EN 12208)	9A	9A
Wind resistance (EN 12210)	B5	B2
Thermal transmittance U_w (EN ISO 10077-1 & EN ISO 10077-2), $W/m^2 K$	*1,2	*1,2
Light transmission T_L , % (EN 410)	*82	*82
Solar energy transmission g , % (EN 410)	*65	*65
Acoustic performance (EN ISO 140-1:1997+A1:2004), R_w (C; C_{tr}) dB	*a 45 (-1;-4) *b 46 (-1;-3) *c 47 (-1;-3)	*a 45 (-1;-4) *b 46 (-1;-3) *c 47 (-1;-3)

* formula of glass panel (4-16ar (SWS)-4 XN) – 2 layers of glass. Inner glass with selective coating, outer glass is clear glass. Warm edge is included in gap - Swisspacer (advanced), gap is filled with argon gas – 90%;

*a formula of glass panel ((44.2 SS-12ar-4-12ar-44.2 SS) – 3 layers of glass. Inner and outer glass are laminated glass with sound reducing film between them, middle glass is clear glass;

*b formula of glass panel (66.2 SS-24ar-44.2 SS) – 2 layers of glass. Inner and outer glass are laminated glass with sound reducing film between them;

*c formula of glass panel (66.2 SS-12ar-4-12ar-44.2 SS) – 3 layers of glass. Inner and outer glass are laminated glass with sound reducing film between them, middle glass is clear glass.

** Opens to inside and to outside

On behalf of manufacturer signed by:

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Characteristics	Single sash Terrace door (72mm PVC threshold)**	Double sash Terrace door (72mm PVC threshold)**
Product ID	ETD	EDT
Product measurements	1230x2180	2000x2180
Air permeability (EN 12207)	4	4
Water tightness (EN 12208)	9A	9A
Wind resistance (EN 12210)	B5	B2
Thermal transmittance U_w (EN ISO 10077-1 & EN ISO 10077-2), $W/m^2 K$	*0,78	*0,80
Light transmission T_L , % (EN 410)	*73	*73
Solar energy transmission g , % (EN 410)	*53	*53
Acoustic performance (EN ISO 140-1:1997+A1:2004), $R_w (C; C_{tr})$ dB	*a 45 (-1;-4) *b 46 (-1;-3) *c 47 (-1;-3)	*a 45 (-1;-4) *b 46 (-1;-3) *c 47 (-1;-3)

* formula of glass panel (4XN-18ar (SWS)-4-18ar (SWS)-4 XN) – 3 layers of glass. Inner and outer glass with selective coating, middle glass is clear glass. Warm edge is included in gaps - Swisspacer (advanced), gaps are filled with argon gas – 90%;

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*c formula of glass panel (66.2 SS-12ar-4-12ar-44.2 SS) – 3 layers of glass. Inner and outer glass are laminated glass with sound reducing film between them, middle glass is clear glass.

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