



## Declaration of performance

ESD/DOP-Nr.246

1. Product system	PVC Synego MD <sup>c</sup> I ALPO MD <sup>c</sup> & Synego AD <sup>d</sup> I ALPO AD <sup>d</sup>
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, MD <sup>*c</sup>	Kipp window, MD <sup>*c</sup>	Fixed frame window, AD <sup>*d</sup>	Combination window <sup>*e</sup> , MD <sup>*c</sup>	Single sash Turn/Tilt balcony door, MD <sup>*c</sup>	Double sash Turn/Tilt balcony double sash door, MD <sup>*c</sup>
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	B2	B5	B2
Thermal transmittance $U_w$ (EN ISO 10077-1 & EN ISO 10077-2), $W/m^2 K$	*1,2	*1,2	*1,3	*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 <sub>tr</sub> ) dB	<sup>*a</sup> 44 (-1;-3) <sup>*b</sup> 46 (-2;-5)	<sup>*a</sup> 44 (-1;-3) <sup>*b</sup> 46 (-2;-5)	<sup>*a</sup> 44 (-1;-3) <sup>*b</sup> 46 (-2;-5)	<sup>*a</sup> 44 (-1;-3) <sup>*b</sup> 46 (-2;-5)	<sup>*a</sup> 44 (-1;-3) <sup>*b</sup> 46 (-2;-5)	<sup>*a</sup> 44 (-1;-3) <sup>*b</sup> 46 (-2;-5)

\* 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%;

<sup>\*a</sup> formula of glass panel (10 XN-24ar-44.2 SS)– 2 layers of glass. Outer glass with selective coating, outer glass is laminated glass with sound reducing film between them;

<sup>\*b</sup> formula of glass panel (88.2 SS-15ar-44.2 SS) – 2 layers of glass. Inner and outer glass are laminated glass with sound reducing film between them;

<sup>\*c</sup> Synego MD I ALPO MD - a product with three rubber gaskets

<sup>\*d</sup> Synego AD I ALPO AD - a product with two gaskets

<sup>\*e</sup> 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

HEADQUARTERS

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## Declaration of performance

ESD/DOP-Nr.245

1. Product system	PVC Synego MD <sup>c</sup>   ALPO MD <sup>c</sup> & Synego AD <sup>d</sup>   ALPO AD <sup>d</sup>
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, MD <sup>*c</sup>	Kipp window, MD <sup>*c</sup>	Fixed frame window, AD <sup>*d</sup>	Combination window <sup>*e</sup> , MD <sup>*c</sup>	Single sash Turn/Tilt balcony door, MD <sup>*c</sup>	Double sash Turn/Tilt balcony double sash door, MD <sup>*c</sup>
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	B2	B5	B2
Thermal transmittance U <sub>w</sub> (EN ISO 10077-1 & EN ISO 10077-2), W/m <sup>2</sup> K	*0,75	*0,75	*0,74	*0,81	*0,75	*0,77
Light transmission T <sub>L</sub> , % (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 <sub>w</sub> (C;C <sub>tr</sub> ) dB	**a 44 (-1;-3) *b 46 (-2;-5)	**a 44 (-1;-3) *b 46 (-2;-5)	**a 44 (-1;-3) *b 46 (-2;-5)	**a 44 (-1;-3) *b 46 (-2;-5)	**a 44 (-1;-3) *b 46 (-2;-5)	**a 44 (-1;-3) *b 46 (-2;-5)

\* 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 (10 XN-24ar-44.2 SS)– 2 layers of glass. Outer glass with selective coating, outer glass is laminated glass with sound reducing film between them;

\*b formula of glass panel (88.2 SS-15ar-44.2 SS) – 2 layers of glass. Inner and outer glass are laminated glass with sound reducing film between them;

\*c Synego MD | ALPO MD - a product with three rubber gaskets

\*d Synego AD | ALPO AD - a product with two gaskets

\*e Double sash escape window. Slave sash with movable mullion;

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