DECLARATION OF PERFORMANCE NO 33.1LE/12/4/12/33.1LE+A (TGI B)

Manufacturer:

1. EFFECTOR S.A.
ul. Hauke-Bosaka 2
25-214 Kielce POLSKA

2. EFFECTOR S.A.
Oddział Wędkowy
83-115 Swarożyn POLSKA

Harmonised standard:	PN-EN 1279-5:2018 attachment ZA
Intended use/es:	Insulated glass unit / for use in construction industry and construction works
Unique identification code of the product-type:	**VL331N\TG12CZ\A\FL04\TG12CZ\A\VL331N** **(VSG 33.1 LE\RAMKA TGI 12 CZ\ARGON\FLOAT 4 MM\RAMKA TGI 12 CZ\ARGON\VSG 33.1 LE)**

Declared performance/s:	Standard	AVCP Systems	Unit of meas.	Symbol	Value
Safety in the case of fire – Fire resistance	EN-13501-2	1	-		NPD
Safety in the case of fire – Reaction to fire	EN-13501-1	3,4	-		NPD
Safety in the case of fire – Impact of external fire	-	3,4			NPD
Safety of use – Resistance to bullets: behavior in the case of breakdown and resistance to attack	EN 1063	1	-		NPD
Safety of use – Resistance to explosion: behavior in the case of breakdown and resistance to attack	EN 13541	1	-		NPD
Safety of use – Burglary resistance: behavior in the case of breakdown and resistance to attack	EN 356	3	-		NPD-NPD-NPD
Safety of use – Resistance to pendulum impact: behavior in the case of breakdown (safe cracking) and impact resistance	EN 12600	3	-		2B2-NPD-2B2
Safety of use – Mechanical resistance: Resistance to sudden temperature changes and temperature differences	EN 572	4	°K		40-40-40
Safety of use - Mechanical resistance: Glass resistance to wind, snow pressure, permanent and/or applied load	-	4	MPa		45/45-45-45/45
Noise protection: Direct airborne sound insulation 3-examination; 4-estimation; 5-extension EN 12758	-	4	dB	Rw(C;Ctr)	37(-3;-8)
Energy saving and heat retention – Thermal properties	EN 673	3	W/(m2·K)	Ug	0,7
Energy saving and heat retention – Radiometric properties: Light transmittance factor	EN 410	3	%	LT,τv	72
Energy saving and heat retention - Radiometric properties: External / internal light reflection factors	EN 410	3	%	LR, ρv/LR', ρ'v	14/14
Energy saving and heat retention - Radiometric properties: Direct solar energy transmittance factor	EN 410	3	%	TE, τe, ET	42
Energy saving and heat retention - Radiometric properties: Direct solar energy reflection factor	EN 410	3	%	ERe, ρe, ER	26
Energy saving and heat retention - Radiometric properties: Total solar energy transmittance factor	EN 410	3	%	g	50

Notified body: 1487

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by: Paweł Obara at Kielce on 08/05/2026

NPD-No performance determined

If there are two or more values, this means that the first value refers to the first pane, the second value to the second pane, etc.

Confirmation of the HST-Heat Soak Test, types of spacer bar and IGU with silicone UV in the documents of purchase.

Values of factors apply to vertical glazing, without mullions and glass decorations.

DESCRIPTION: ESG-toughened glass; TVG-semi-toughened glass; Ar-Argon; Kr-Krypton; Emalit-enameled glass; Sitodruk-silk-screen printing; SI-acoustic foil.