

DoP no. LT000000-00 A

**Product type identification code:** External timber frame panel with straw thermal insulation

**Panel number and type:** see panel project no. 000000-00 A

**Technical specification:** National Technical Assessment NTJ-01-061:2020

**Intended use:** Construction of external walls in residential and non-residential buildings

### Declared performance:

The declared performance characteristics are achieved if the straw panel is covered by a 6 cm Steico Protect wood fibre board on the external surface and is plastered with a 3 cm thick layer of clay on the internal surface.

Performance	Declared value	Technical specification
Characteristic vertical load-bearing capacity:		
- Without struts	60.0 kN/m	
- With struts	38.5 kN/m	
Under a vertical load of short-term duration and a horizontal load:		
Without struts		
- 1.8 kN/m <sup>2</sup>	29.5 kN/m	
- 2.1 kN/m <sup>2</sup>	25.8 kN/m	
- 2.4 kN/m <sup>2</sup>	22.2 kN/m	LST EN 1990
With struts		LST EN 1991-1-1
- 1.8 kN/m <sup>2</sup>	18.8 kN/m	LST EN 1995-1-1
- 2.1 kN/m <sup>2</sup>	11.1 kN/m	
- 2.4 kN/m <sup>2</sup>	3.5 kN/m	
Characteristic shear load bearing capacity (kN/m):		
- Without struts	0 kN/m	
- With struts	3.5 kN/m	
Reaction to fire classification	B-s1, d0	LST EN 13501-1
Resistance to fire	REI 120 REIef 120	LST EN 13501-2
Thermal resistance R <sub>D</sub>	8.1 (m <sup>2</sup> ·K)/W	LST EN 12667 LST EN 12939
Airborne sound insulation indicator R <sub>w</sub> (C;C <sub>tr</sub> ;C <sub>100-5000</sub> )	54 (-1;-3;0)	LST EN ISO 10140-1 LST EN ISO 10140-2 LST EN ISO 717-1
Water vapour resistance factor μ	1.4	LST EN ISO 13788 STR 2.01.02:2016
Water impermeability	Ensured on building site	LST EN 12155 LST EN 12154 LST EN 1027 LST EN 12865
Impact resistance	Ensured	LST EN 13497
Air permeability	Ensured	LST EN 12153 LST EN 12152

Performance	Declared value	Technical specification
Durability	Class 2	LST EN ISO 846
Harmful substances: Formaldehyde emission class	E1	LST EN 13986
	Ensured	Requirements of Directive 98/8/EC for biocidal products
Effectiveness criteria		
Heat transfer coefficient U	0.123 W/(m <sup>2</sup> K)	LST EN ISO 6946
Contingency temperature fRsi	≥ 0.86	STR 2.01.03
Cold bridges for main fittings Ψ	≤ 0.01 W/(m <sup>2</sup> K)	PH Certificate

**Manufacturer:** ECOCOCON UAB, Odminių street 10-10, Vilnius, Company code: 302094574

**Production place:** Gedimino 30D, Kybartai, Vilkaviskis district, Lithuania

**Authorized representative (article 18 (15) of the law on construction of Lithuania):** not applicable

Inspecta Sertifointi Oy conducted an initial inspection of the factory and the control of internal production. The institution also continually supervises and assesses the control of internal production according to the 2+ system, and has issued the control conformity certificate No. 11878-01 on 4 August 2020 valid till 4 August 2025.

**Technical assessment body:** State Enterprise Construction Products Certification Center (SPSC)

The performance characteristics of the product indicated conform to the performance characteristics of the product declared. This declaration of performance is issued under the sole responsibility of the manufacturer.

In Vilnius, Lithuania, 1 January 2023.

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Marius Tarvydas, director