

Document no. LT250227-258 A

Product type identification code: Load-bearing, twin-stud timber frame panels with straw insulation infill

Panel number and type: see panel project no. 250227

Technical specification: National Technical Assessment NTJ-01-061:2024

Validation date of document: 15-01-2024 - 15-01-2029, replaces NTJ-01-061:2020 issued on 30/12/2020

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

Declared properties:

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 at least 25 mm thick layer of clay on the internal surface.

Properties	Declared value	Technical specification
Characteristic vertical load-bearing capacity: - Without struts - With struts Under a vertical load of short-term duration and a horizontal load: Without struts - 1.8 kN/m ² - 2.1 kN/m ² - 2.4 kN/m ² With struts - 1.8 kN/m ² - 2.1 kN/m ² - 2.4 kN/m ²	60.0 kN/m 38.5 kN/m 29.5 kN/m 25.8 kN/m 22.2 kN/m 18.8 kN/m 11.1 kN/m 3.5 kN/m	LST EN 1990 LST EN 1991-1-1 LST EN 1995-1-1
Characteristic shear load bearing capacity (kN/m): - Without struts - With struts	0 kN/m 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 _D	8.1 (m ² ·K)/W	LST EN 12667 LST EN 12939
Airborne sound insulation indicator R _w (C; C _{tr} ; C ₁₀₀₋₅₀₀₀)	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

DECLARATION OF PROPERTIES

Properties	Declared value	Technical specification
Air permeability	Ensured	LST EN 12153 LST EN 12152
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 Contingency temperature fRsi Cold bridges for main fittings Ψ	0.123 W/(m ² K) ≥ 0.86 ≤ 0.01 W/(m ² K)	LST EN ISO 6946 STR 2.01.03 PH Certificate

Manufacturer: ECOCOCON UAB, Gedimino str. 30E, Kybartai, Vilkaviskis district, Lithuania

Company code: 302094574

Production place: Gedimino str. 30E, Kybartai, Vilkaviskis district, Lithuania

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

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 properties is issued under the sole responsibility of the manufacturer.

In Kybartai, Lithuania, 20 November 2025.

Marius Tarvydas, director