

	REACTION TO FIRE CLASSIFICATION REPORT	Formularz KSZ- 7.8/F42 A/20.10.2022 Page 1 of 3
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Sponsor

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Prepared by

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Product name

Rezult CLT

Classification report No.

RKS-5/03/2025

Issue number

Issue no. 1

Date of issue

1.07.2024

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH EN 13501-1:2019

This classification report consists of three pages and may only be used or reproduced in its entirety.

1. Introduction

This classification report defines the classification assigned to Rezult CLT (in accordance with the procedures given in EN 13501-1:2019).

2. Details of classified product

2.1 General

The following product Rezult CLT is used for residential and non-residential constructions in buildings.

2.2 Product description

The product, Reztult CLT, is described below or is described in the reports provided in support of classification listed in 3.1.

Product description: Cross-laminated laminated timber (CLT board) "Reztult CLT" made of PNSY (Pine sylvestris). Material has a density in the range of 439-504 kg/m³, and thickness 60-360 mm. - Glue the board to the tenon using AkzoNobel's Type I MUF adhesive system 1247/2526, usage 350 g/m² - Gluing the board along the CLT board layer with Henkel Purbond HB159 type I PUR adhesive system (the board is not glued along the narrow face, and the CLT board is not glued to the dowel joint either) - usage 120-160 g/m² End use: These products are used for the construction of residential and non-residential buildings. Production standard: EN 16351:2021 According to the above standard, test are performed on material with lowest density 439 kg/m³ and thickness 60 mm.
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3. Reports and results in support of this classification

3.1 Reports

Name of Laboratory	Name of sponsor	Report ref. no.	Test method and date
Fire-Lab sp z o.o.	Sawmill Holding	SBI-5/03/2025	PN-EN 13823+A1:2022-12 27.05.2025, 30.06.2025
Fire-Lab sp z o.o.	Sawmill Holding	MP-6/03/2025	PN-EN ISO 11925-2:2020 9.06.2025

3.2 Results

Test method and test number	Parameter	No. Tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
PN-EN 13823+A1:2022-12 SBI-5/03/2025	FIGRA _{0,2MJ} [W/s]	3	683,70	(-)
	FIGRA _{0,4MJ} [W/s]		683,70	(-)
	LFS < edge		None	Compliant
	THR _{600s} [MJ]		34,47	(-)
	SMOGR _A [m ² /s ²]		2,31	(-)
	TSP _{600s} [m ²]		43,24	(-)
	Flaming droplets		None	Compliant

PN-EN ISO 11925-2:2020 Surface, edge and side-edge exposure 30s MP-6/03/2024	$F_s \leq 150\text{mm}$	18	$F_s < 150\text{mm}$	Compliant
	Flaming droplets/particles		None	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2019

4.2 Classification

The product, Reztul CLT in relation to its reaction to fire behavior is classified:

D

The additional classification in relations to smoke production is:

s1

The additional classification in relation to flaming droplets / particles is:

d0

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation products is:

Reaction to fire classification: D-s1,d0

4.3 Field of application

This classification is valid for the following parameters defining the product described in point 2.2 and for higher thickness and density than tested.

5. Limitations

This classification document does not represent type approval or certification of the product. The assigned classification remains valid as long as:

- The test method will not be changed.
- The product standard or technical approval will not be changed.
- There will be no structural or material changes influencing the properties of the tested material.

SIGNED

APPROVED

signature of person undertaking classification

signature of person authorizing this report