



„MEŽA UN KOKSNES PRODUKTU PĒTNIECĪBAS UN ATTĪSTĪBAS INSTITŪTS” SIA
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Test Report No.6922-1/2022

Forest and Wood Products Research and Development Institute
Testing Laboratory

Customer: [REDACTED]

Manufacturer and owner of the test report: [REDACTED]

Date of the order: 06.05.2022.

Testing was done according contract No. 66-05/22 MU.

Test samples received: 11.05.2022.

Test performed at: SIA “Meža un koksnes produktu pētniecības un attīstības institūts” (Forest and Wood Products Research and Development Institute Ltd), “Pienavas katlu māja”, Pienava, Džūkstes pagasts, Tukuma novads, LV-3147, Latvia (“Pienava heat plant”, Pienava, Džūkste parish, Tukums region, LV-3147, Latvia).

Description of product (According to customer’s information)

- Product name: Acoustic panel [REDACTED]
- Manufacturer: [REDACTED]
- Materials used for manufacturing:
 - 12 mm [REDACTED] birch plywood 12x32 mm slats;
 - 0.6 mm Oak veneer;
 - back layer: paper, fiberboard;
 -
 - Product secrets
 -
- Distance between the slats: 14 mm.

Sampling:

Sampling was done by [REDACTED]

Samples were taken from production line for special order.

Application of building product (according to customer’s information):

Product is intended to use as panelling in buildings.

Substrates used:

Primary mineral wool substrate were used between wood supporting elements and behind it secondary standard gypsum plasterboard substrate according standard EN 13238:2010 was used.



1. Introduction

This classification report defines the reaction to fire classification assigned to acoustic panel [REDACTED] in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1. General

Acoustic panel [REDACTED] is defined as fire retardant treated birch plywood lamel paneling system for buildings.

2.2. Product description

- Product name: Acoustic panel [REDACTED]
- Manufacturer: [REDACTED]
- Materials used for manufacturing:
 - 12 mm [REDACTED] birch plywood 12x32 mm slats;
 - 0.6 mm Oak veneer;
 - back layer: paper, fiberboard;
 - Product secrets
 -
 -
- Distance between the slats: 14 mm.

3. Test reports and test results in support of classification

3.1. Specific conditions

Not applicable

3.2. Test reports

Name of laboratory	Name of sponsor	Test reports	Test method
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	[REDACTED]	6922-1/2022	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	[REDACTED]	6922-2/2022	EN ISO 11925-2:2020



3.3. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean	Compliance parameters
EN 13823:2020	<i>FIGRA</i> _{0,2MJ} (W/s)	3	71.9	(-)
	<i>FIGRA</i> _{0,4MJ} (W/s)		58.2	(-)
	<i>THR</i> _{600s} (MJ)		4.7	(-)
	<i>LFS</i>		no	Compliant
	<i>SMOGRA</i> (m ² /s ²)		4.2	(-)
	<i>TSP</i> _{600s} (m ²)		44.3	(-)
	Flaming droplets <10s Flaming droplets >10s		(-) (-)	Compliant Compliant
EN ISO 11925-2:2020 Exposure time 30 s. Test duration 60 s.	Flame spread (Fs)	12	(-)	Compliant
	Ignition of filter paper		(-)	Compliant
	Flaming droplets/particles		(-)	Compliant
(-) not applicable				

4. Classification and field of application

4.1. Reference of classification

This classification has been carried out in accordance with clause 11 of EN 13501-1:2018.

4.2. Classification

Acoustic panel [REDACTED] in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation 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 product excluding floorings and linings is:

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	1	,	d	0

Reaction to fire classification: B-s1, d0



4.3. Field of application

4.3.1 This classification is valid for the following product end use applications:

Product primary is intended to use as acoustic panelling in buildings.

4.3.2. This classification is also valid for following product parameters:

- valid for thickness as tested;
- valid only for product composition as tested;
- valid only for panel geometry as tested;
- valid only for [REDACTED] birch plywood as tested;
- valid only with coating as tested;
- valid for product mounting without air gap between product and substrate.
- product performance determined on wood frame structure with stone wool filling and secondary substrate - gypsum plasterboard. Classification is valid for product mounting directly on substrates of reaction to fire class A1 and A2-s1-d0 having density at least 38 kg/m³. Product can be mounted on supporting frame of reaction to fire class at least D-s2-d0 if stone wool insulation is used in between
- valid for product mounting in vertical label orientation.

5. Limitations.

5.1. No restrictions on the duration of validity of this classification report as long as the product specifications remain unchanged.

5.2. This document does not represent type approval or certification of the product.

Prepared by

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(signature and name)

Reviewed by

K. Būmanis

(signature and name)

THIS DOCUMENT IS SIGNED BY SECURE ELECTRONIC SIGNATURE AND CONTAINS A TIME STAMP
(Signature validity can be checked: <https://www.eparaksts.lv/en>)