

„MEŽA UN KOKSNES PRODUKTU PĒTNIECĪBAS UN ATTĪSTĪBAS INSTITŪTS” SIA  
VAT No. LV 43603022749  
Dobeles iela 41, Jelgava, LV-3001, Latvia  
Phone +371 63010605 \* E-mail meka@e-koks.lv \* Web www.e-koks.lv



## Classification of reaction to fire in accordance with EN 13501-1:2018

This report is revision of that issued as No. K67/2022, dated 30.06.2022. Revised report supersedes original report and original report No. K67/2022 is no longer valid.

Issue number: K67/2022\_version 2

Date of issue: 16.06.2023.

**Sponsor:** Vesterby Træteknik A/S.

Address: Thorsevej 12-14, 6862 Tistrup, Denmark.  
Reg. No. 2211.

**Manufacturer and owner of classification report:** Vesterby Træteknik A/S.

**Statement:** Product description in paragraph 2.2 was improved. The products described in this report has not been retested and additional report does not involve technical change or technical review of the original report.

### Validity of corrected reports and of revised reports

The owner Vesterby Træteknik A/S of the classification report No. K67/2022, dated 30.06.2022. should ensure that the revised report, in its entirety, is attached to each and every copy of the original report. Reports are statements of fact and are of unlimited validity.

**Prepared by:** SIA “Meža un koksnes produktu pētniecības un attīstības institūts” (*Forest and Wood Products Research and Development Institute Ltd*).

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).

**Product name:** Vesterby FireStop special acoustic panel IS88452.

Laboratory involved in testing is accredited by the Latvian National Accreditation Bureau (LATAK) according to the standard LVS EN ISO/IEC 17025 under the terms of Latvian legislation with reg. No. T-316. Laboratory is a notified body with reg. No. NB 2040 under construction product regulation No. 305/2011.

*Classification report refers only to these test objects. This classification report may not be reproduced otherwise than in full text, excepted with the prior written approval of the Forest and Wood Products Research and Development Institute*

## 1. Introduction

This classification report defines the reaction to fire classification assigned to Vesterby FireStop special acoustic panel IS88452 in accordance with the procedures given in EN 13501-1:2018.

## 2. Details of classified product

### 2.1. General

Vesterby FireStop special acoustic panel IS88452 is defined as fire retardant treated birch plywood panelling system for buildings.

### 2.2. Product description

- Product name: Vesterby FireStop special acoustic panel IS88452.
- Manufacturer: Vesterby Træteknik A/S.
- Materials used for manufacturing:
  - 12 mm fire retardant birch plywood with 800 kg/m<sup>3</sup> density;
  - 0.6 mm ALPI Oak veneer;
  - 25 mm acoustic slots pattern in solid plywood continuously repeated with distance 30.4 mm;
  - back layer: paper, black acoustic dew
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## 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	Vesterby Træteknik A/S	6979-1/2022	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Vesterby Træteknik A/S	6979-2/2022	EN ISO 11925-2:2020



## 3.3. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean	Compliance parameters
EN 13823:2020	$FIGRA_{0,2MJ}(W/s)$	3	55.8	(-)
	$FIGRA_{0,4MJ}(W/s)$		44.3	(-)
	$THR_{600s}(MJ)$		4.7	(-)
	LFS		no	Compliant
	$SMOGRA(m^2/s^2)$		1.8	(-)
	$TSP_{600s}(m^2)$		33.9	(-)
	Flaming droplets <10s Flaming droplets >10s		(-) (-)	Compliant Compliant
EN ISO 11925-2:2020  Exposure time 30 s. Test duration 60 s.	Flame spread (Fs)	10	(-)	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

Vesterby FireStop special acoustic panel IS88452 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 fire retardant 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/m<sup>3</sup>. 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.

#### 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

E. Bukšāns

(signature and name)

Reviewed by

K. Būmanis

(signature and name)

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