

„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

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Sponsor: Fog & Venø A/S.

Address: Buntmagervej 5, 7490 Aulum, Denmark.
Reg. No. 7670.

Manufacturer and owner of classification report: Fog & Venø A/S.

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: Fire retardant felt panel with plywood slats.

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 Fire retardant felt panel with plywood slats in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1. General

Fire retardant felt panel with plywood slats is defined as acoustic and decorative panelling in buildings. Product is not described by harmonised specification standard.

2.2. Product description

- Product name: Fire retardant felt panel with plywood slats.
- Manufacturer: Fog & Venø A/S.
- Materials used for manufacturing:
 - white felt with VA-fire stop, thickness – 9 mm;
 - fire retardant plywood slats with veneer on top, dimension 12 x 31 mm with 15 mm gap between.
- Nominal thickness: 21 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	Fog & Venø A/S	8784-1/2023	EN 13823:2020+A1:2022
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Fog & Venø A/S	8784-2/2023	EN ISO 11925-2:2020

3.3. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean	Compliance parameters
EN 13823:2020+A1:2022	<i>FIGRA</i> _{0,2MJ} (W/s)	4	106.0	(-)
	<i>FIGRA</i> _{0,4MJ} (W/s)		83.5	(-)
	<i>THR</i> _{600s} (MJ)		4.3	(-)
	<i>LFS</i>		no	Compliant
	<i>SMOGRA</i> (m ² /s ²)		6.6	(-)
	<i>TSP</i> _{600s} (m ²)		35.8	(-)
	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

Fire retardant felt panel with plywood slats 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 is intended to use as acoustic and decorative panelling in buildings.

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

- valid for product thickness as tested;
- valid for product composition and geometry as tested;
- valid for product mounting without air gap between product and substrate;
- product performance determined on gypsum plasterboard substrate A2-s1,d0 reaction to fire class and classification is valid for product mounting on substrates reaction to fire class A2-s1,d0 or A1 product with a minimum density of 525 kg/m³;
- Valid for vertical and horizontal plywood slats 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



E. Bukšāns

(signature and name)

Reviewed by



K. Būmanis

(signature and name)

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