



„MEŽA UN KOKSNES PRODUKTU PĒTNIECĪBAS UN ATTĪSTĪBAS INSTITŪTS” SIA
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Classification of reaction to fire in accordance with EN 13501-1:2018

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Sponsor: Vesterby Træteknik A/S.

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

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

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

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Product name: Fire-protected plywood ribbon element with Oak veneer.

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-protected plywood ribbon element with Oak veneer in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1. General

Fire-protected plywood ribbon element with Oak veneer is defined as fire retardant treated birch plywood lamel paneling system for buildings.

2.2. Product description

- Product name: Fire-protected plywood ribbon element with Oak veneer.
- Manufacturer: Vesterby Træteknik A/S.
- Materials used for manufacturing:
 - 12 mm fire retardant birch plywood R10 12x30 mm slats;
 - 0.6 mm Oak veneer;
 - back layer: paper, black acoustic dew, Rockwool;
 - Product secrets
 -
- Distance between the slats: 10 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	Vesterby Træteknik A/S	6646-1/2022	EN 13823:2020
SIA „Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Vesterby Træteknik A/S	6646-2/2022	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	64.1	(-)
	FIGRA _{0,4MJ} (W/s)		51.0	(-)
	THR _{600s} (MJ)		4.5	(-)
	LFS		no	Compliant
	SMOGR _A (m ² /s ²)		2.3	(-)
	TSP _{600s} (m ²)		35.2	(-)
	Flaming droplets <10s Flaming droplets >10s		(-) (-)	Compliant Compliant
EN ISO 11925-2:2020	Flame spread (Fs)	12	(-)	Compliant
	Ignition of filter paper		(-)	Compliant
	Flaming droplets/particles		(-)	Compliant
Exposure time 30 s. Test duration 60 s.				
(-) 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-protected plywood ribbon element with Oak veneer 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.
- mounted without air gap to substrate of any A1 or A2-s1, d0 product with a minimum density of 525 kg/m³;
- valid for product mounting in vertical lamel 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

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