



„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: Konto Oy.

Address: Ylä-Satakunnantie 20, 39930 Karvia, Finland.

Reg. No. 2247970-2.

Manufacturer and owner of the classification report: Konto Oy.

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*).

Product name: Konto Acoustic Panel.

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 Konto Acoustic Panel in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1. General

Konto Acoustic Panel is defined as acoustic panels.

2.2. Product description

- Product name: Konto Acoustic Panel.
- Manufacturer: Konto Oy.
- Materials used for manufacturing:
 - 80% peat fibre;
 - 20% polyester fibre;
 - flame retardants - Faintend FAIN Fire protection liquid with consumption 50 g/m² and Danufil BF 120 g/m².
- Nominal density: 75 kg/m³.
- Nominal thickness: 20 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	Konto Oy	4225-1/2019	EN 13823:2010+A1:2014
SIA „Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Konto Oy	4225-2/2019	EN ISO 11925-2:2010

3.3. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean	Compliance parameters
EN 13823:2010+A1:2014	$FIGRA_{0,2MJ}(W/s)$	3	66.4	(-)
	$FIGRA_{0,4MJ}(W/s)$		56.1	Compliant
	$THR_{600s}(MJ)$		2.8	Compliant
	LFS		<1000 mm	Compliant
	$SMOGRA(m^2/s^2)$		37.2	Compliant
	$TSP_{600s}(m^2)$		288.7	Compliant
	Flaming droplets <10s		no	Compliant
	Flaming droplets >10s		no	Compliant
EN ISO 11925-2:2010	Flame spread (Fs)	12	Less than 150 mm	Compliant
Exposure time 30 s. Test duration 60 s.	Ignition of filter paper		no	(-)
	Flaming droplets/particles		no	(-)
(-) 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

Konto Acoustic Panel in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s3

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	3	,	d	0

Reaction to fire classification: B-s3-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 panels.

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

Thickness:	valid for product thickness as tested.
Density:	valid for product density as tested.
Chemical composition of fire retardant:	valid only for product composition as tested.
Retention of fire retardant:	valid for fire retardant consumption as tested and higher.
Coatings:	valid without additional coating.

4.3.3. Classification valid for installation parameters:

Mounting:	valid for product mounting without air gap between product and substrate.
Substrates:	product performance determined on gypsum plasterboard substrate A2-s-1-d0 reaction to fire class and classification is valid for product mounting on substrates reaction to fire class A2-s-1-d0 or A1.
Orientation:	not applicable.

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


(signature)

E. Bukšāns

Reviewed by


(signature)

K. Būmanis