



„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.

Owner of classification report: Vesterby Træteknik A/S.

Manufacturer: Vesterby Træteknik 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*).

Product name: Fire retardant treated roof boards (Tagbrædder).

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

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	79.1	Compliant
	$FIGRA_{0,4MJ}(W/s)$		78.1	(-)
	$THR_{600s}(MJ)$		5.1	Compliant
	LFS		<1000 mm	Compliant
	$SMOGRA(m^2/s^2)$		2.4	Compliant
	$TSP_{600s}(m^2)$		41.3	Compliant
	Flaming droplets <10s	no	Compliant	
	Flaming droplets >10s	no	Compliant	
EN ISO 11925-2:2010 Exposure time 30 s. Test duration 60 s.	Flame spread (Fs)	12	More than 150 mm	Compliant
	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

Fire retardant treated roof boards (Tagbrædder) 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