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LATAK-T-316

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

Issue number: K28/2019

Date of issue: 30.05.2019.

Sponsor: Holz Prof OÜ.

Address: Kraavi 47, Tallinn, Estonia.

Reg. No. 11053593.

Owner of classification report: Holz Prof OÜ.

Manufacturer: Holz Prof OÜ.

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: HolzProf (HRProf) treated termowood.

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.

1. Introduction

This classification report defines the reaction to fire classification assigned to HolzProf (HRProf) treated termowood in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1. General

HolzProf (HRProf) treated termowood is defined as wood flooring and parquet according standard EN 14342:2013.

2.2. Product description

- Product name: HolzProf (HRProf) treated termowood.
- Manufacturer of fire retardant: Holz Prof OÜ.
- Materials used for manufacturing:
  - Thermally modified pine wood with 28 mm thickness;
  - surface treated with fire retardant Holz Prof (HR Prof) with consumption 270 ml/m^2.

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	Holz Prof OÜ	3741-1/2019	EN ISO 9239-1:2010
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Holz Prof OÜ	3741-2/2019	EN ISO 11925-2:2010

3.3. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean	Compliance parameters
EN ISO 9239-1:2010 Test duration (30 min).	Critical heat flux CHF (kW/m^2)	4	9.7	Compliant
	Heat flux at 30th min HF-30		9.7	(-)
	Integrated smoke value TIS (%. min)		11.5	Compliant
EN ISO 11925-2:2010 Exposure time 15 s. Test duration 20 s.	Flame spread (Fs)	12	Less 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 12 of EN 13501-1:2018.

4.2. Classification

HolzProf (HRProf) treated termowood in relation to its reaction to fire behaviour is classified:

B_{fl}

The additional classification in relation to smoke production is:

s1

The format of the reaction to fire classification for floorings is:

Fire behaviour		Smoke production	
B_{fl}	-	s	1

Reaction to fire classification: B_{fl}-s1

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 fire retardant treated flooring material.

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

Thickness:	valid for product thickness as tested.
Chemical composition of fire retardant:	valid only for product composition as tested.
Wood species:	valid only for pine wood
Density:	valid for natural deviations of pine wood density.
Application:	valid for fire retardant Holz Prof with consumption equal or more than 270 ml/m^2.
Coatings:	valid only without additional coatings.

4.3.3. Classification valid for installation parameters:

Mounting:	classification valid only for product application directly on substrates without air cavity.
Substrates:	product performance determined with wood particle board substrate and classification is valid for product mounting on wood based substrates and substrates of reaction to fire class A2-s1-d0 and A1.
Orientation:	valid for horizontal and vertical board 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

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Reviewed by

K.Būmanis

(signature)

s.p.

VL-87-03