

REACTION TO FIRE CLASSIFICATION REPORT IN ACCORDANCE WITH EN 13501-1:2018

Contract no. 02849/23/Z00NZP

Sponsor:	naturheld GmbH Zur Betzenmühle 1 D-95703 Plößberg / OPf.
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Product name:	In-situ formed loose fill wood fiber insulation material naturheld GmbH (dry application)
Classification report №:	02849/23/Z00NZP/B/E replaces classification report No. 02849/23/Z00NZP issued on 26.01.2024
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This classification report consists of 3 pages and may only be used or reproduced in its entirety.

1. Introduction

This classification report defines the classification assigned to in-situ formed loose fill wood fibre insulation material naturheld GmbH (dry application) in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1 General

In-situ formed loose fill cellulose fibre insulation material naturheld GmbH (dry application).

2.2 Product description

The product, is described below (according to Producer declaration).

Density range: approx. 38 kg/m ³ Loose fill insulation material made from cellulose fiber treated with fire protective additive with composition of fire protective additive is known by ITB The product is designated to be applied dry.
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3. Test reports & test results in support of classification

3.1 Test reports

Name of laboratory	Name of sponsor	Test report №	Test method
Fire Research Laboratory Building Research Institute	naturheld GmbH	LZP01-02849/23/Z00NZP	PN-EN 13823+A1:2022-12
		LZP02-02849/23/Z00NZP	PN-EN ISO 11925-2:2020

3.2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
PN-EN 13823+A1: 2022-12 In-situ formed loose fill wood fibre insulation material naturheld GmbH (dry application) with fire protective additive Density: 38 kg/m ³ Ref. LZP01-02849/23/Z00NZZP Insulation thickness: 180 mm	FIGRA _{0,2MJ}	3	45,2	(-)
	FIGRA _{0,4MJ}		44,9	(-)
	LFS < edge		(-)	Y
	THR _{600s} [MJ]		5,8	(-)
	SMOGRA [m ² /s ²]		10,5	(-)
	TSP _{600s} [m ²]		152,9	(-)
	Flaming droplets/particles		(-)	N
PN-EN ISO 11925-2: 2020 Surface and edge on front exposure Exposure time 30 s Density: 38 kg/m ³ Ref. LZP02-02849/23/Z00NZZP	F _s ≤150 mm	6	(-)	Y
	Flaming Droplets/particles		(-)	N

(-): not applicable, Y: Yes, N: No

4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018.

4.2 Classification

The product, the in-situ formed loose fill wood fiber insulation material naturheld GmbH (dry application), in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s2

The additional classification in relation to flaming droplets/particles is:

d0

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation products is:

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	2	,	d	0

i.e.: **B-s2,d0**

Reaction to fire classification: B-s2,d0

4.3 Field of application

This classification is valid for the product described in point 2 this classification report and following substrates, air gaps and variation in product parameters:

- Acc. to EN 15101-1 Annex C Table C.4 results are valid for any end-use substrates with the minimum fire classifications D-s3, d0
- density range of the insulation – 38 kg/m³ ± 15%
- possible thickness range: no limitation
- fixing method – no limitation
- no variation in fire retardant composition allowed

5 Limitations

This classification given remains valid as long as:

- Test method remains unchanged.
- Product standard or technical assessment remains unchanged.
- Constructional or material modifications do not exceed limits of the field of application defined in 4.3.

This classification report has been issued in electronic form, with qualified electronic signatures of persons responsible. A printout of this report is not an original document.

This classification document does not represent type assessment or certification of the product.

	Signed*	Approved*
Prepared:		
	electronic sigNatures	electronic sigNatures
Verified:		
	electronic sigNatures	

* - For and on behalf of "Name of the organisation"