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

1 Introduction

This classification report defines the classification assigned to “Termoträ Fire Protect” in accordance with the procedure given in EN 13501-1:2018.

This report replaces RISE report O100609-1110240-1, dated April 26, 2022. This revision includes an update of the general definition of the product.

2 Details of classified product

2.1 General

The product “Termoträ Fire Protect” is defined as an In-situ formed loose fill thermal and/or acoustic insulation product made of wood wool. Its classification is valid for the following end use applications: Insulation product, to be used in cavities of roofs, walls or floors, between rafters and timber work, lofts and attics, supplied as loose fill for mechanical installation.

2.2 Product description

The product, “Termoträ Fire Protect”, is fully described below or is fully described in the test reports provided in support of classification listed in Clause 3.1.

Loose fill insulation called “Termoträ Fire Protect”, consisting of fire retardant treated wood wool with a nominal density of 27 kg/m³.

3 Reports and results in support of this classification

3.1 Test reports

Table 1 Test reports forming the basis for this classification.

Name of laboratory	Name of sponsor	Test report reference no	Accredited test methods and date
RISE	Svenska Termoträ AB	O100609-1110240	EN 13823:2020
RISE	Svenska Termoträ AB	7P09555-01	EN ISO 11925-2:2010/AC:2011

RISE Research Institutes of Sweden AB

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C2 - Internal

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3.2 Test results

Table 2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN ISO 11925-2		6		
Surface flame attack**				
30 s exposure	$F_s \leq 150$ mm	(-)		Compliant
Flaming droplets/particles	Ignition of filter paper	(-)		No ignition of filter paper
EN 13823		3		
	$FIGRA_{0,2MJ}$ (W/s)	914		Compliant
	$FIGRA_{0,4MJ}$ (W/s)	689		Compliant
	$LFS < \text{edge}$	(-)		Compliant
	THR_{600s} , (MJ)	6.8		Compliant
	$SMOGRA$, (m^2/s^2)	11		Compliant
	TSP_{600s} , (m^2)	82		Compliant
	Flaming droplets/particles	(-)		No flaming droplets/particles

** : as required to the end use application of the product

(-) : not applicable

4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 11 and 15 of EN 13501-1:2018.

4.2 Classification

The product called "Termoträ Fire Protect" in relation to its reaction to fire behaviour is classified:

D

The additional classification in relation to smoke production is:

s2

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

d0

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

Fire Behaviour		Smoke Production		Flaming Droplets
D	-	s	2	, d 0

Reaction to fire classification: *D-s2,d0*

4.3 Field of application:

This classification is valid for the following product parameters:

Product description, as specified in 2.2 in this report.

Nominal density: 27 kg/m³.

This classification is valid for the following end use conditions:

Substrates:

- Wood based substrates at least 10 mm thick and any end use substrate of Euroclasses A1 or A2-s1,d0 at least 6 mm thick, having a density ≥ 510 kg/m³.

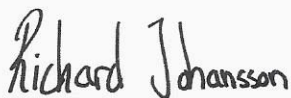
The sample was delivered by the client. RISE, Fire and Safety was not involved in the sampling procedure.

5 Limitations

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

RISE Research Institutes of Sweden AB
Fire and safety - Reaction to Fire Medium Scale Lab

Performed by



Richard Johansson

Examined by



Per Thureson

•Gælder når Termoträ Fire Protect træfiberisolering har en densitet på 27 kg/m³ eller mere, og indgår i følgende konstruktion: Træbeklædning, på bagsiden af isoleringen, med en tykkelse ≥ 10 mm alt. beklædning med følgende brandklasse A1 eller A2-s1,d0 med en tykkelse på ≥ 6 mm, samt en densitet på ≥ 510 kg/m³

Verification

Transaction 09222115557505336520

Document

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Main document

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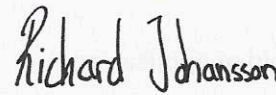
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