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Reaction to fire classification report

1 Introduction

This classification report defines the classification assigned to the product "Huntonit Brannit with Palett" in accordance with the procedure given in EN 13501-1:2007+A1:2009.

2 Details of classified product

2.1 General

The product "Huntonit Brannit with Palett" is defined as a wall and ceiling wood fibre panel for indoor use.

According to the owner of this classification report, this product complies with the European product specification EN 13986.

2.2 Product description

The product, "Huntonit Brannit with Palett", is fully described below.

The following product information was received from the client:

Wood fibre panel with a nominal thickness of 10.7 + 0.4/-0.7 mm and a nominal density of 835 ± 40 kg/m^3. The wood fibre panels is painted with a fire retardant paint called "Brannitmaling" with a nominal area weight of 360 g/m^2. A top coat and protective lacquer of white acrylic paint is applied with a nominal area weight of 55 g/m^2.
The complete product has a nominal thickness of 11.0 ± 0.2 mm and a nominal density of 795 – 875 kg/m^3.

3 Test reports & test results in support of classification

3.1 Test report

This classification is based on the test report listed below:

Name of laboratory	Name of sponsor	Test report ref no	Accredited test method
SP	Byggma ASA	4P04322	EN 13823 EN ISO 11925-2

3.2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN ISO 11925-2		18		
Edge/Surface flame attack**				
30 s exposure	Fs ≤ 150 mm		(-)	Compliant
Flaming droplets/particles	Ignition of filter paper		(-)	No ignition of filter paper
EN 13823		3		
	$FIGRA_{0,2MJ}$ (W/s)		16	Compliant
	$FIGRA_{0,4MJ}$ (W/s)		16	Compliant
	LFS < edge		(-)	Compliant
	THR_{600s}, (MJ)		1.4	Compliant
	$SMOGRA$, (m^2/s^2)		3.7	Compliant
	TSP_{600s}, (m^2)		42	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 and direct field of application

This classification has been carried out in accordance with clause 11 and 15 of EN 13501-1:2007+A1:2009.

4.2 Classification

The product called "Huntonit Brannit with Palett" 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 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	
B	**-**	**s**	**1**	**,**	**d**	**0**

Reaction to fire classification: *B-s1,d0*

4.3 Field of application:

This classification is valid for the following product parameters:

Nominal thickness: 11.0 ± 0.2 mm.

Nominal density: 795 - 875 kg/m^3.

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 9 mm thick, having a density ≥ 510 kg/m^3.

Fixings

- Mechanically fixed.

Joints

- Horizontal and vertical joints.

Mounting

- With or without air gap.

The sample was delivered by the client. SP Fire Technology was not involved in the sampling procedure.

5 Limitations

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

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Performed by

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