



**SINTEF**

# CLASSIFICATION REPORT

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SUBJECT

**Reaction to fire classification report of product Huntonit Brannit with Palett**

PRODUCT NAME

**Huntonit Brannit with Palett**

CLIENT(S)

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CLIENT'S REF.

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PROJECT NO.

102010.02/07.084

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## INTRODUCTION / ABSTRACT:

This classification report defines the classification assigned to **Huntonit Brannit with Palett (two coats)** in accordance with the procedures given in EN 13501-1:2002.

The test results are shown in table 2.

The product **Huntonit Brannit with Palett** has been classified **B – s2, d0**.

## 1. DETAILS OF CLASSIFIED PRODUCT

### 1.1 General

The product, **Huntonit Brannit with Palett**, is defined as wall and ceiling boards of wood fibre panels with surface of fire retardant paint covered with two coats of acrylic paint.

### 1.2 Product description

The product, **Huntonit Brannit with Palett**, is fully described below or is fully described in the test reports provided in support of classification listed in Clause 2.1.

Product information received from the client:

- Wood fibre panel: Thickness  $10,7 \pm 0,1$  mm and density  $852 \pm 24$  kg/m<sup>3</sup> – i.e. square density 8,95 – 9,3 kg/m<sup>2</sup>.  
Manufactured by Huntonit AS – Vennessla, Norway.
- Fire retardant paint: “Brannitmaling” with nominal thickness / amount of approximately 0,3 mm / 330 g/m<sup>2</sup> respectively.  
Manufactured by F. Steen-Hansen maling AS – Bergen, Norway.
- White acrylic painting tot. 70 – 100 g/m<sup>2</sup>, type Palett, manufactured by F. Steen-Hansen.
- Complete product: Thickness  $11 \pm 0,1$  mm and density 844 – 871 kg/m<sup>3</sup> – i.e. square density 9,1 – 9,5 kg/m<sup>2</sup>.

## 2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF CLASSIFICATION

### 2.1 Test reports

**Table 1** Test reports in support of the classification of **Huntonit Brannit with Palett**.

Name of laboratory	Name of sponsor	Test report ref. no.	Test method
SINTEF NBL a.s	Byggma ASA	102010.25/07.009A	EN 13823:2002
		102010.35/07.070	EN ISO 11925-2:2002

### 2.2 Test results

**Table 2** Test results in support of the classification of **Huntonit Brannit with Palett**.

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance parameters
<b>EN ISO 11925-2</b> Surface flame attack* 30 s exposure Flaming droplets/particles	$F_s \leq 150$ mm	6	(-)	Yes
	Ignition of the filter paper		(-)	No ignition
<b>EN ISO 11925-2</b> Edge flame attack* 30 s exposure Flaming droplets/particles	$F_s \leq 150$ mm	6	(-)	Yes
	Ignition of the filter paper		(-)	No ignition
<b>EN 13823</b>	FIGRA <sub>0,2MJ</sub> [W/s]	3	109	(-)
	FIGRA <sub>0,4MJ</sub> [W/s]		16	(-)
	LFS < edge		(-)	Yes
	THR <sub>600s</sub> [MJ]		1,2	(-)
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		5,3	(-)
	TSP <sub>600s</sub> [m <sup>2</sup> ]		51,5	(-)
	Flaming droplets/ particles		(-)	Yes
* : as required to the end use application of the product				
(-): not applicable				

### 3. CLASSIFICATION AND FIELD OF APPLICATION

#### 3.1 Reference of classification

This classification has been carried out in accordance with clause 8.2, 8.4, 8.5, 10.6, 10.9 and 10.10 of EN 13501-1:2002.

#### 3.2 Classification

The product, **Huntonit Brannit with Palett**, 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 is:

Fire behaviour		Smoke production			Flaming droplets	
<b>B</b>	-	<b>s</b>	<b>2</b>	,	<b>d</b>	<b>0</b>

i.e. **B – s2, d0**

#### 3.3 Field of application

This classification is valid for the following end use conditions:

##### Substrates

- Any end-use wood based substrates, at least 12 mm thick, and also any end-use Substrates of Euroclasses A1 or A2 at least 6 mm thick – both having a density  $\geq 635 \text{ kg/m}^3$ .

##### Voids

- No air gaps allowed

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This classification is also valid, for example, for the following product parameters:

- Wood fibre panel: Thickness 10,7 mm and density 852 kg/m<sup>3</sup>.
- Fire retardant paint: Of quality "Brannitmaling" with thickness / amount of approximately 0,3 mm / 330 g/m<sup>2</sup> respectively. Manufactured by F. Steen-Hansen maling AS – Bergen, Norway.
- White acrylic painting tot. 70 – 100 g/m<sup>2</sup>, type Palett, manufactured by F. Steen-Hansen.
- Complete product: Thickness 11 mm and density 844-871 kg/m<sup>3</sup>.

#### **4. LIMITATIONS**

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