



SINTEF

CLASSIFICATION REPORT

SINTEF NBL as

Address: N-7465 Trondheim, Norway
Location: Tiller Bru, Tiller

Telephone: +47 73 59 10 78
Fax: +47 73 59 10 44
E-mail: nbl@nbl.sintef.no
Internet: nbl.sintef.no

Enterprise No.: NO 982 930 057 MVA
Notified body no.: 1084



SUBJECT

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

PRODUCT NAME

Huntonit Brannit

CLIENT(S)

Byggma ASA
P.O. Box 21
4701 Vennesla
NORWAY

CLIENT'S REF.

Mr Helge Håland

PROJECT NO.

102010.02/05.066

TASK MANAGER (NAME, POSITION, SIGN.)

Bjarne Kristoffersen
Bjarne Kristoffersen
Discipline Manager, Reaction to fire testing

APPROVED BY (NAME, POSITION, SIGN.)

Anne Steen-Hansen
Anne Steen-Hansen,
Scientific adviser

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INTRODUCTION / ABSTRACT:

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

The test results are shown in table 2.

The product **Huntonit Brannit** has been classified **B – s1, d0**.

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Excerpts may be quoted only with the written permission of SINTEF NBL.
The test results referred to in this report relate only to the items tested.

1. DETAILS OF CLASSIFIED PRODUCT

1.1 General

The product, **Huntonit Brannit**, is defined as wall and ceiling boards consisting of wood fibre panels with surface of fire retardant paint.

1.2 Product description

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

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**.

Name of laboratory	Name of sponsor	Test report ref. no.	Test method
Norges branntekniske laboratorium a.s	Byggma ASA	102010.25/04.114	EN 13823:2002
		102010.35/04.115	EN ISO 11925-2:2002

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

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance parameters
EN ISO 11925-2 Surface flame attack* 30 s exposure Flaming droplets/particles	$F_s \leq 150$ mm Ignition of the filter paper	6	(-) (-)	Yes No ignition
EN ISO 11925-2 Edge flame attack* 30 s exposure Flaming droplets/particles	$F_s \leq 150$ mm Ignition of the filter paper	6	(-) (-)	Yes No ignition
EN 13823	FIGRA _{0,2MJ} [W/s]	3	9	(-)
	FIGRA _{0,4MJ} [W/s]		9	(-)
	LFS < edge		(-)	Yes
	THR _{600s} [MJ]		1,1	(-)
	SMOGRA [m ² /s ²]		**	(-)
	TSP _{600s} [m ²]		43	(-)
	Flaming droplets/ particles		(-)	Yes
* : as required to the end use application of the product ** : In two of the three EN 13823 tests, SMOGRA was equal to zero. The reason for this was that one of the SMOGRA threshold values, $SPR_{av} > 0,1$ m ² /s was not exceeded during these two tests – thus the SMOGRA was equal to zero. Due to this, the average value for SMOGRA was not possible to calculate. All three tests do however show that the SMOGRA criterion for smoke class s1 is met. (-): 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**, 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 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	-	s	1	,	d	0

i.e. B – s1, 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, having a density $\geq 635 \text{ kg/m}^3$
- Any end-use substrates of Euroclass A1 or A2 at least 6 mm thick
- Based on the two applications above, the product may be used in front of a construction of A1/A2 classified insulation with steel or wood stanchions

Voids

- No air gaps allowed

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

- Wood fibre panel: Thickness 10,7 mm and density 852 kg/m³
- Fire retardant paint: Of quality “Brannitmaling” with thickness / amount of approximately 0,3 mm / 330 g/m² respectively.
- Complete product: Thickness 11 m and density 858 kg/m³

4. LIMITATIONS

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