



SINTEF

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CLASSIFICATION REPORT

SUBJECT

**Reaction to fire classification report of
product Alloc Wall&Water**

PRODUCT NAME

Alloc Wall&Water

CLIENT(S)

Alloc AS
Fiboveien 26
NO-4580 Lyngdal
NORWAY

CLIENT'S REF.

Tor Bartnes

PROJECT NO.

102010.02/06.224

TASK MANAGER (NAME, POSITION, SIGN.)

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INTRODUCTION / ABSTRACT:

This classification report defines the classification assigned to **Alloc Wall&Water** in accordance with the procedures given in EN 13501-1:2002.

The test results are shown in table 2.

The product **Alloc Wall&Water** has been classified **D-s2, d0**.

1. DETAILS OF CLASSIFIED PRODUCT

1.1 General

The product, **Alloc Wall&Water**, is defined as interior walls made from panels of dimensions 2400 mm length and 600 mm width.

1.2 Product description

The product **Alloc Wall&Water** consists of high pressure laminates on each side of a plywood core. The product is described below and in the test reports provided in support of classification listed in Clause 2.1.

Product information received from the client:

Manufacturer: Alloc AS – Fiboveien 26, NO-4580 Lyngdal, Norway

Total thickness and square density: 10,2 mm and 8,3 kg/m².
Dimensions of each panel: 2400 mm x 600 mm.

Product build-up:

- Surface of 0,9 mm high pressure laminate with density 1350 kg/m³
- Core of 9,0 mm 7-layer plywood with density 650 kg/m³
- Rear side of 0,3 mm high pressure laminate with density 1350 kg/m³

Product properties measured prior to test:

Prior to test, the following measurements were made of the product:

- Thickness: 10,5 mm
- Square density: 7,8 kg/m²
- Colour: white

2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF CLASSIFICATION

2.1 Test reports

Table 1 Test reports in support of the classification of **Alloc Wall&Water**.

Name of laboratory	Name of sponsor	Test report ref. no.	Test method
SINTEF NBL	Alloc AS	102010.25/06.210	EN 13823:2002
		102010.35/06.225	EN ISO 11925-2:2002

2.2 Test results

Table 2 Test results in support of the classification of **Alloc Wall&Water**.

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 13823	FIGRA _{0,2MJ} [W/s] FIGRA _{0,4MJ} [W/s] LFS < edge THR _{600s} [MJ]	3	293,2 293,2 (-) 31,1	(-) (-) Yes (-)
	SMOGRA [m ² /s ²] TSP _{600s} [m ²]			(-) (-)
	Flaming droplets/ particles			(-) No flaming droplets/ particles
* : 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, 10.4, 10.9 and 10.10 of EN 13501-1:2002.

3.2 Classification

The product, **Alloc Wall&Water**, 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 droplets/particles is:

d0

The format of the reaction to fire classification for construction products excluding floorings is:

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

i.e. D – s2, d0

3.3 Field of application

This classification is valid for the following end use conditions:

Substrates

- Any end-use gypsum plasterboard
- Any end-use substrate of Euroclasses A1 and A2

Voids

- Air-gap of any thickness

Fixings

- Fixing as described in fitting instruction from the client – ref. Doc.no. LA-0599-1WW dated 2005-09-03

Joints

- Both horizontal and vertical joints
- The joints may be covered with profiles as described in the fitting instruction referred to above.

This classification is valid for the product having product parameters as described in paragraph 1.2 in this document.

4. LIMITATIONS

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