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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 “Fritzøe MAGboard” in accordance with the procedure given in EN 13501-1:2018.

### 2 Details of classified product

#### 2.1 General

The product “Fritzøe MAGboard” is defined as a non-combustible board. Its classification is valid for the following end use application: building board.

#### 2.2 Product description

The product, “Fritzøe MAGboard”, is fully described below.

According to the client: Product called “Fritzøe MAGboard”, described below:

Product	Content (%)		Thickness (mm)	Density (kg/m <sup>3</sup> )	Organic content (%)	Colour
Fritzøe MAGboard	Mgo	50.6	6	1000 – 1200	14.3	White
	Mgcl2	27.0				
	Perlite	3.1				
	Chip	14.3				
	Filler	5.0				

### 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	Fritzøe Engros AS	O100609-1150004	EN ISO 1182:2020
RISE	Fritzøe Engros AS	O100609-1150004-02	EN ISO 1716:2010

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### 3.2 Test results

Table 2 Test results showing the worst case as found in the test program performed.

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN ISO 1182		5		
	$\Delta T$ (°C)		8	Compliant
	$\Delta m$ (%)		48	Compliant
	$t_f$ (s)		0	Compliant
EN ISO 1716		3		
	PCS (MJ/kg)* (4)		0.8	Compliant

\* : the product is homogeneous

(4): the parameter for the product as a whole

## 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 “Fritzøe MAGboard” in relation to its reaction to fire behaviour is classified:

A1

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

<b>Fire Behaviour</b>
<b>A1</b>

**Reaction to fire classification: *A1***

#### 4.3 Field of application:

This classification is valid for the following product parameters:

Product specification, as specified in 2.2 in this report

Nominal density: 1000 – 1200 kg/m<sup>3</sup>.

Nominal organic content: 14.3 %.

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



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Examined by



Per Thureson

# Verification

Transaction 09222115557483024216

## Document

O100609-1150004-1 EN 13501-1

Main document

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## Signing parties

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