

ByggForm AS  
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Norge

## Reaction to fire classification report.

### 1 Introduction

This classification report defines the classification assigned to the product “Moxi board” in accordance with the procedure given in EN 13501-1:2007+A1:2009.

### 2 Details of classified product

#### 2.1 General

The product “Moxi board” is defined as a non-combustible board.

#### 2.2 Product description

The product, “Moxi board”, is fully described below:

Product	Content	Thickness mm	Area weight kg/m <sup>2</sup>	Density kg/m <sup>3</sup>	Colour
Moxi board	Magnesium oxide Magnesium chloride Perlite	6	-	1200	White-grey

### 3 Test reports

#### 3.1 Test reports

This classification is based on the test reports listed below:

Name of laboratory	Name of sponsor	Test report ref no	Accredited test method
SP	Byggform AS	5P07788	EN ISO 1182
SP	Byggform AS	5P07788-01	EN ISO 1716

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### 3.2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN ISO 1182		5		
	$\Delta T$ (°C)		8	Compliant
	$\Delta m$ (%)		46.7	Compliant
	$T_f$ (s)		0	Compliant
EN ISO 1716		3		
	PCS (MJ/kg)* (4)		1.08	Compliant

\* : the product is homogeneous

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

## 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 “Moxi board” 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:

Fire Behaviour
<b>A1</b>

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

#### **4.3 Field of application:**

This classification is valid for the following product parameters:

Density: 1200 kg/m<sup>3</sup>.

Composition: See section 2.2 Product description.

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

#### **5 Limitations**

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

### **SP Technical Research Institute of Sweden Fire Research - Fire Dynamics**

Performed by

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