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Testing. Advising. Assuring.

**Title:**

CLASSIFICATION OF  
REACTION TO FIRE  
PERFORMANCE  
IN ACCORDANCE WITH  
EN 13501-1:2007+A1: 2009

**Notified Body No:**

0833

**Product Name:**

"EKOBORD 10mm"

**Report No:**

WF 357393

**Issue No:**

1

**Prepared for:**

Ekobord  
Kaynarce Mah  
Sanayi Sok  
No:74 Pendik  
Istanbul  
Turkey

**Date:**

6<sup>th</sup> October 2015



0249

## 1. Introduction

This classification report defines the classification assigned to "EKOBORD 10mm", a cement board material, in accordance with the procedures given in EN 13501-1:2007+A1: 2009.

## 2. Details of classified product

### 2.1 General

The product, "EKOBORD 10mm", a cement board material, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

### 2.2 Product description

The product, "EKOBORD 10mm", a cement board material, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description	Cement board type material
Product reference	"EKOBORD 10mm"
Composition details	<ul style="list-style-type: none"> <li>• Silica sand</li> <li>• Cement</li> <li>• Cellulose</li> <li>• Aluminium trihydrate (ATH)</li> </ul> <p>The sponsor was unwilling to provide any additional information</p>
Name of manufacturer	EKOBORD YENİ NESİL LEVHA VE DUVAR SİSTEMLERİ A.Ş.
Thickness	Any thickness
Density	1500±50kg/m <sup>3</sup> (stated by sponsor) 1352.03kg/m <sup>2</sup> (determined by <b>Exova Warringtonfire</b> )
Colour reference	"Light Grey" (observed by <b>Exova Warringtonfire</b> )
Trade name of flame retardant	"Aluminium Trihydrate"
Generic type of flame retardant	Aluminium trihydrate
Amount of flame retardant	<b>See Note 1 Below</b>
Brief description of manufacturing process	Fibre cement production line – flow on technology

**Note 1: The sponsor was unwilling to provide this information.**

### 3. Test reports and test results in support of classification

#### 3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports Nos.	Test method / extended application rules & date
Exova Warringtonfire	Ekobord	WF 354682	EN ISO 1182
Exova Warringtonfire	Ekobord	WF 354683	EN ISO 1716

#### 3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 1182	$\Delta T$	5	3.0	Compliant
	$\Delta m$		14.88	
	$t_r$		Nil	
EN ISO 1716	PCS (a)	3	0.7978	Compliant
	PCS (e)	3	0.7978	Compliant

#### 4. Classification and field of application

##### 4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2007+A1:2009.

##### 4.2 Classification

The product, "EKOBORD 10mm", a cement board material, in relation to its reaction to fire behaviour is classified:

**Reaction to fire classification: A1**

##### 4.3 Field of application

This classification is valid for the following end use applications:

- i) Wall and ceiling applications
- ii) Used over any substrate

This classification is also valid for the following product parameters:

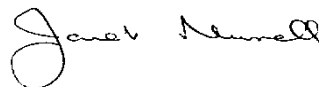
Product thickness	Any thickness allowed
Product density	No variation allowed
Product composition	No variation allowed

#### SIGNED



.....  
**Matthew Dale**  
Certification Engineer

#### APPROVED



.....  
**Janet Murrell**  
Technical Manager  
on behalf of **Exova Warringtonfire**

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