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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:**

"ezoBord"

**Report No:**

WF 385924

**Issue No:**

1

**Prepared for:**

**Ivекter Inc.**  
1625 Drew Road  
Mississauga  
Ontario  
Canada  
L5S 1J5

**Date:**

18<sup>th</sup> July 2017



## 1. Introduction

This classification report defines the classification assigned to "ezoBord", a polyester fibre acoustic panel, in line with the procedures given in EN 13501-1:2007+A1: 2009.

## 2. Details of classified product

### 2.1 General

The product, "ezoBord", is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

### 2.2 Product description

The product, "ezoBord", is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

|  |                         |   |
|--|-------------------------|---|
| PET  | General description     | Polyester fibre acoustic panel 9mm thickness  |
|  | Generic type            | Polyester   |
|  | Product reference       | "ezoBord"   |
|  | Name of manufacturer    | iVekter Inc.  |
|  | Thickness               | 9mm (stated by sponsor)<br>9.72mm(determined by <b>Exova Warringtonfire</b> )   |
|  | Weight per unit area    | 1.28kg/m <sup>2</sup> (determined by <b>Exova Warringtonfire</b> )  |
|  | Colour                  | "Red"   |
|  | Flame retardant details | The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product                                  |
| Mounting and fixing details                |                         | The specimens were tested clamped into a "window" frame manufactured from 5mm steel sheet.  |
| Air space details                          |                         | A 80mm ventilated cavity was situated between the reverse face of each specimen and the calcium silicate backing board (as specified in EN 13238: 2010) |
| Brief description of manufacturing process |                         | Non woven   |

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

#### 3.1 Test reports

| Name of Laboratory   | Name of sponsor | Test reports/extended application report Nos. | Test method / extended application rules & date |
|----------------------|-----------------|---|---|
| Exova warringtonfire | ezoBord         | WF 384608                                     | EN ISO 11925-2                                  |
| Exova warringtonfire | ezoBord         | WF 384607                                     | EN 13823  |

#### 3.2 Test results

| Test method & test number                  | Parameter                   | No. tests | Results                         |                       |
|--|-----------------------------|-----------|---------------------------------|-----------------------|
|  |                             |           | Continuous parameter - mean (m) | Compliance parameters |
| EN ISO 11925-2<br>(30s exposure - surface) | F <sub>s</sub>              | 6         | 62.5                            | Compliant             |
|  | Flaming droplets/ particles |           | None                            | Compliant             |
| EN ISO 11925-2<br>(30s exposure - edge)    | F <sub>s</sub>              | 6         | 38.3                            | Compliant             |
|  | Flaming droplets/ particles |           | None                            | Compliant             |
| EN 13823                                   | FIGRA <sub>0.2MJ</sub>      | 3         | 0.00                            | Compliant             |
|  | FIGRA <sub>0.4MJ</sub>      |           | 0.00                            | Compliant             |
|  | THR <sub>600s</sub>         |           | 0.20                            | Compliant             |
|  | LFS                         |           | None                            | Compliant             |
|  | SMOGRA                      |           | 0.00                            | Compliant             |
|  | TSP <sub>600s</sub>         |           | 8.75                            | 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, "ezoBord", a polyester fibre acoustic panel, 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 applications, excluding flooring and linear pipe thermal insulation is:

| Fire Behaviour |   | Smoke Production |          |   | Flaming Droplets |          |
|----------------|---|------------------|----------|---|------------------|----------|
| <b>B</b>       | - | <b>s</b>         | <b>1</b> | , | <b>d</b>         | <b>0</b> |

i.e. **B – s1 , d0**

**Reaction to fire classification: B – s1, d0**

##### 4.3 Field of application

This classification is valid for the following end use applications:

- i) Free standing construction applications

This classification is also valid for the following product parameters:

|                              |                      |
|------------------------------|----------------------|
| Product thickness            | No variation allowed |
| Product weight per unit area | No variation allowed |

## 5. Limitations

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

### SIGNED

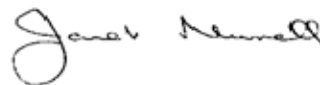


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### APPROVED



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### Janet Murrell

Technical Manager  
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on behalf of **Exova warringtonfire**

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