Exova Warringtonfire
Holmesfield Road
Warrington
WA1 2DS
United Kingdom

T : +44 (0) 1925 655 116
F : +44 (0) 1925 655 419
E : warrington@exova.com
W: www.exova.com

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:**

"Wall Art"

**Report No:**

WF 361415

**Issue No:**

1

**Prepared for:**

Metamark (UK) Limited
Luneside
New Quay Road
Lancaster
LA1 5QP

**Date:**

2nd February 2016

UKAS TESTING
0249

## 1. Introduction

This classification report defines the classification assigned to “Wall Art”, a PVC film adhered to a plasterboard substrate, in line with the procedures given in EN 13501-1:2007+A1: 2009.

## 2. Details of classified product

### 2.1 General

The product, “Wall Art”, a PVC film adhered to a plasterboard substrate, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

### 2.2 Product description

The product, “Wall Art”, a PVC film adhered to a plasterboard substrate, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

| | | |
|---|---|---|
| General description | | A PVC film adhered to a plasterboard substrate |
| Product reference | | “Wall Art” |
| Thickness | | 12.5mm |
| Weight per unit area | | 7.99kg/m$^2$ |
| Film | Generic type | Polyvinyl chloride (PVC) |
| | Product reference | “Wall Art” |
| | Name of manufacturer | **See Note 3 Below** |
| | Thickness | 150 microns |
| | Weight per unit area | **See Note 1 Below** |
| | Colour reference | “White” |
| | Flame retardant details | **See Note 1 Below** |
| Adhesive | Generic type | **See Note 1 Below** |
| | Product reference | **See Note 3 Below** |
| | Name of manufacturer | **See Note 3 Below** |
| | Colour reference | “Clear” |
| | Application rate | 20g/m² (dry) |
| | Application method | Bar over roller (coated) |
| | Flame retardant details | **See Note 2 Below** |
| | Curing process | Drying oven |
| Plasterboard | Product reference | “Gyproc Soundbloc” |
| | Generic type | Paper faced plasterboard |
| | Name of manufacturer | British Gypsum |
| | Thickness | 12.5mm |
| | Density | 700kg/m³ |
| | Flame retardant details | This component is inherently flame retardant |
| Brief description of manufacturing process | | Coated product and laminated |

Note 1: The sponsor was unable to provide this information.
Note 2: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.
Note 3: The sponsor is 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/extended application report Nos. | Test method / extended application rules & date |
|---|---|---|---|
| **Exova warringtonfire** | Metamark (UK) Limited | WF 360750 | EN ISO 11925-2 |
| **Exova warringtonfire** | Metamark (UK) Limited | WF 360749 | EN 13823 |

### 3.2 Test results

| Test method & test number | Parameter | No. tests | Results | |
|---|---|---|---|---|
| | | | Continuous parameter - mean (m) | Compliance parameters |
| EN ISO 11925-2 (30s exposure - surface) | $F_s$ | 6 | 41.7 | Compliant |
| | Flaming droplets/ particles | | None | Compliant |
| EN ISO 11925-2 (30s exposure – edge) | $F_s$ | 6 | 20 | Compliant |
| | Flaming droplets/ particles | | None | Compliant |
| EN 13823 | FIGRA $_{0.2MJ}$ | 3 | 127.77 | Compliant |
| | FIGRA $_{0.4MJ}$ | | 38.24 | Compliant |
| | THR $_{600s}$ | | 1.46 | Compliant |
| | LFS | | None | Compliant |
| | SMOGRA | | 21.72 | Compliant |
| | $TSP_{600s}$ | | 47.27 | 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 and EN 15102.

### 4.2 Classification

The product, “Wall Art”, a PVC film adhered to a plasterboard substrate, in relation to its reaction to fire behaviour is classified:

**C**

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 | |
|---|---|---|---|---|---|---|
| C | - | s | 1 | , | d | 0 |

**i.e. C – s1 , d0**

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

### 4.3 Field of application

This classification is valid for the following end use applications:

i) Construction applications used over any substrate with a density equal to or greater than 700kg/m$^3$, having a minimum thickness of 12.5mm and a fire performance of A2 or better.

ii) Product installed utilising “Duro Tak 0076”, a wall covering adhesive, at an application rate of 20g/m$^2$.

This classification is also valid for the following product parameters:

| | |
|---|---|
| Product thickness | No variation allowed |
| Product weight per unit area | No variation allowed |
| Product colour/pattern | Any variation allowed |
| Product composition | No variation allowed |
| Product construction | No variation allowed |

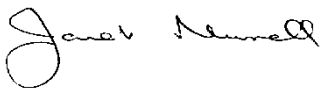
"The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive. The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate. The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested."

**SIGNED**

.....

**Matthew Dale**
Senior Certification Engineer
Technical Department

**APPROVED**



.....

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