

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:

"UH500"

Report No:

WF 381679

Issue No:

2

Prepared for:

Vistagreen Limited
70 Upper Richmond Road
Putney
SW15 2RP

Date:

13th April 2017



0249

1. Introduction

This classification report defines the classification assigned to "UH500", a plastic foliage mechanically fixed to a 4mm thick steel grid, in line with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, "UH500", is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, "UH500", is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Plastic foliage fixed to a 4mm thick steel grid
Product reference of composite		"UH500"
Name of manufacturer of composite		Vistagreen Limited
Thickness of composite		50mm (determined by Exova Warringtonfire)
Weight per unit area of composite		5.61kg/m ² (determined by Exova Warringtonfire)
Artificial foliage	Generic type	Polyethylene
	Product reference	"Artificial foliage"
	Name of manufacturer	This information has been provided by the sponsor but at their specific request, this information has been withheld from the report and is instead held on the confidential file relating to this investigation.
	Thickness	46mm (determined by Exova Warringtonfire)
	Weight per unit area	3.55kg/m ² (determined by Exova Warringtonfire)
	Distribution	70 plants per 80cmx80cm
	Colour reference	"Green"
	Flame retardant details	See Note 1 below
Fixing details		Fixed with plastic ties
Steel grid	Generic type	Steel
	Product reference	"Steel grid"
	Name of manufacturer	See Note 1 below
	Thickness	4mm
	Weight per unit area	2.06kg/m ²
	Grid dimensions	80cmx80cm
	Colour reference	"Grey"
	Flame retardant details	Inherently flame retardant
Brief description of manufacturing process		See Note 1 below

Note 1: The sponsor was unable to provide this information.

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	Vistagreen Limited	WF 381371 (Issue 2)	EN ISO 11925-2

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 11925-2 15s exposure - surface	F _s	6	55mm	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 15s exposure - edge	F _s	6	71.7mm	Compliant
	Flaming droplets/ particles		Yes	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 8 and 9 of EN 13501-1:2007+A1: 2009.

4.2 Classification

The product, "UH500", a plastic foliage fixed to a 4mm thick steel grid, in relation to its reaction to fire behaviour is classified:

Reaction to fire classification: E-d2 / E_{FI}-d2

4.3 Field of application

This classification is valid for the following end use applications:

- i) Construction applications,

This classification is also valid for the following product parameters:

Product thickness	No variation allowed
Product density	No variation allowed
Product colour	No variation allowed
Product composition	No variation allowed

5. Limitations

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

SIGNED

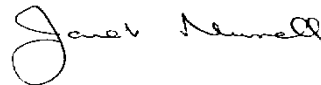


.....

Matthew Dale

Senior Certification Engineer
Technical Department

APPROVED



.....

Janet Murrell

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

This copy has been produced from a .pdf format electronic file that has been provided by **Exova Warringtonfire** to the sponsor of the report and must only be reproduced in full. Extracts or abridgements of reports must not be published without permission of **Exova Warringtonfire**. The pdf copy supplied is the sole authentic version of this document. All pdf versions of this report bear authentic signatures of the responsible **Exova Warringtonfire** staff.

Issue No : 2	Re-issue Date : 21 st June 2017
Revised By: M Dale	Approved By: J Murrell
Reason for Revision: This document replaces Issue 1 (dated 13 th April 2017) of the same number which has been withdrawn. The report has been amended to remove the name of manufacturer of the artificial foliage component of the product. This information is now confidential.	