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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:

"Non-Polymer GRC"

Report No:

WF 384964

Issue No:

1

Prepared for:

The International Glassfibre
Reinforced Concrete
Association (GRCA)
PO Box 1454
Northampton
NN2 1DZ

Date:

14th June 2017



1. Introduction

This classification report defines the classification assigned to "Non-Polymer GRC" a glass fibre reinforced concrete (GRC) product, in accordance with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, "Non-Polymer GRC", is defined as being suitable for construction applications.

2.2 Product description

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

General description	Glass fibre reinforced concrete (GRC) product
Product reference	"Non-Polymer GRC"
Name of manufacturer	See Note 1 Below
Thickness tested	45.95mm (determined by Exova Warringtonfire)
Density tested	2133kg/m ³ (determined by Exova Warringtonfire)
Colour reference	"Natural" "Dark Grey" (observed by Exova Warringtonfire)
Flame retardant details	See Note 3 Below
Brief description of manufacturing process	See Note 2 Below

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

The description of the specimens as given above is not as detailed as would usually be the case for descriptions included in **Exova Warringtonfire** test reports and the description may not fully comply with the requirements of the test standard. In all other respects however the tests were conducted fully in accordance with the requirements of the test standard and the test results are valid.

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	The International Glassfibre Reinforced Concrete Association (GRCA),	WF 384330	EN ISO 1716
		WF 384326	EN ISO 1182

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 1182	ΔT	5	1.2	-
	Δm		7.86	
	t_f		Nil	
EN ISO 1716	PCS (a, e)	3	-0.3877 (0.00)	-

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, "Polymer GRC" a glass fibre reinforced concrete (GRC) product, in relation to its reaction to fire behaviour is classified:

A1

Reaction to fire classification: A1

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:

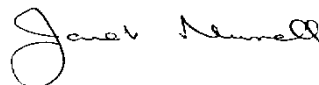
Overall product thickness	Any variation allowed
Product density	No variation allowed
Product composition	No variation allowed

SIGNED



.....
Matthew Dale
Senior Certification Engineer

APPROVED



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

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