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Reaction to fire classification report No. 15844C

Owner of the classification report

GLASSROCK INSULATION CO.
28 Road 265, New Maadi
Cairo
EGYPT

Introduction

This classification report defines the classification assigned to the product **'GlassRock Board'** in accordance with the procedures given in the standard EN 13501-1+A1: 2009 - Fire classification of construction products and building elements - Part 1: classification using data from reaction to fire tests.

This classification report consists of 5 pages

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1. DETAILS OF CLASSIFIED PRODUCT

a) Nature and end use application

The product **GlassRock Board** is defined as 'rock wool'.
Its classification is valid for the following end use application(s):
"Used as thermal, acoustic and fire resistance for both building and industrial application".

b) Description

	Nominal value
PRODUCT	
Material	The tested material is mineral wool mainly made of volcanic rock, typically basalt and/or dolomite. An increasing proportion is composed of recycled materials made from slag, and a waste product made from blast furnaces. The material is melted and then spun into fine fibers. A resin is then used to bind the fibers together to form a mat of insulation.
Density (kg/m³)	150
Organic content (kg/m³)	2,5
Colour	Green

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2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

a) Test reports

Name of the laboratory	Name of the sponsor	Test report ref. no.	Test method
WFRGENT nv Ghent, Belgium	GlassRock Insulation Co. Cairo, Egypt	15844B	EN ISO 1182 (May 2010)
WFRGENT nv Ghent, Belgium	GlassRock Insulation Co. Cairo, Egypt	15844A	EN ISO 1716 (June 2010)

b) Test results

Test method	Parameter	Number of tests	Results		Criteria for Class A1	
			Continuous parameters Mean	Compliance parameters	Continuous parameters	Compliance parameters
EN ISO 1182 (1)	ΔT (°C) t_f (s) Δm (%)	5	5 0 2	(-) (-) (-)	≤ 30 0 ≤ 50	(-) (-) (-)
1. Based on the results obatined in test report no. 15844B						
EN ISO 1716	PCS (MJ/kg) (2) PCS (MJ/kg) (3)	3	0,9 0,9	(-) (-)	≤ 2,0 ≤ 2,0	(-) (-)
2. For homogeneous products – Based on the results obtained in test report no. 15844A: GlassRock Board *3. For the product as a whole*						

(-) Not applicable

3. CLASSIFICATION AND DIRECT FIELD OF APPLICATION

a) Reference and direct field of application

This classification has been carried out in accordance with EN 13501-1+A1: 2009, EN 15715: 2009 and EN 14303: 2009.

b) Classification

The product **GlassRock Board** in relation to its reaction to fire behavior is classified as:

Fire behavior
A1

c) Field of application

This classification is valid for the following product parameters:

- Product as such
- All densities
- All thicknesses
- Organic content: lower or equal to 2,5 kg/m³

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4. RESTRICTIONS

At the time the standard EN 13501-1+A1:2009 was published, no decision was made concerning the duration of validity of a classification report.

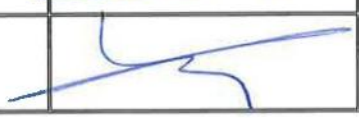
5. WARNING

This classification report does not represent type approval nor certification of the product. The following statement is included in accordance with Fire Sector Group Recommendation 001rev2:

The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of a 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 product's 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 to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.

Report	Name	Signature (*)	Date
Prepared by	I. LAMMERTYN		15 FEB. 2013
Reviewed by	ir. K. CATRY		15 FEB. 2013
(*) For and on behalf of "WFRGENT nv"			

EN 13501-1 A1 WG 2E*

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Short Form Classification Report No. 15844D

1 - Classification report reference and date
15844C written in English : 15/02/2013

2 - Sponsor of the report : **GlassRock Insulation Co.**

3 - Testing lab : Warringtonfiregent (WFRGENT nv)

4 - Standard :
For testing: EN ISO 1182 (2010) and EN ISO 1716 (2010)
For classification: EN 13501-1+A1: 2009

5 - Tested product : **GlassRock Board**

6 - Classification : **A1**

7 – Field of application :

- Product as such

This classification is valid for the following product parameters:

- All thicknesses
- All densities
- Organic content: lower or equal to 2,5 kg/m³

Ghent, 18 FEB. 2013

I. LAMMERTYN
Project Assistant

ir. K. CATRY
Project Leader

*This short form classification report has been drafted according to EGOLF regulation R4 "Application note: clause 5.10 [5.10/1] – issue 01- 2002-06-21 – Types of test reports used in fire testing" Whilst the test data and classification provided within this short report was obtained in a test conducted fully in accordance with the standards EN ISO 1182 (2010), EN ISO 1716 (2010) and EN 13501-1+A1:2009, the presentation of the results in this short form may not satisfy the requirements of that standard and EN ISO/IEC 17025: 2005/AC: 2006. The presentation of the results in this manner is made by agreement with the sponsor and use of the information herein for product assessment, approval or certification purposes will be restricted. The full classification report No. **15844C** is available at **GlassRock Insulation Co.***

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