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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:

"Norskreen Brick M4"

Report No:

WF 402400

Issue No:

2

Prepared for:

Telling Architectural Ltd.,
Unit 4 E,
Station Road,
Four Ashes,
Wolverhampton,
WV10 7DB

Date:

20th July 2018



0249

1. Introduction

This classification report defines the classification assigned to “Norskreen Brick M4”, a brick faced glass reinforced concrete with lime mortar, in accordance with the procedures given in EN 13501-1:2007

2. Details of classified product

2.1 General

The product, “Norskreen Brick M4”, a brick faced glass reinforced concrete with lime mortar, is defined as being suitable for construction applications.

2.2 Product description

The product, “Norskreen Brick M4”, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Brick faced glass reinforced concrete with lime mortar
Product reference		“Norskreen Brick M4”
Name of manufacturer		Telling Architectural Limited
Overall thickness		40mm
Overall weight per unit area		90kg/m ²
Brick	Generic type	Clay brick
	Product reference	“Fired Clay Brick”
	Name of manufacturer	See Note 1 Below
	Thickness	24mm
	Weight per unit area	47kg/m ²
	Flame retardant details	See Note 2 Below
Lime mortar	Generic type	Hydraulic lime mortar
	Product reference	“Unilit 15P2”
	Name of manufacturer	Arte Construction
	Thickness	10mm
	Weight per unit area	6.83kg/m ²
	Flame retardant details	See Note 2 Below
Reinforcement	Generic type	Alkali resistant glass fibre
	Product reference	“ARG 2500/H103 Fibres”
	Name of manufacturer	Fibre Technologies International Limited
	Colour reference	“White”
	Thickness	0.1mm - 0.5mm
	Weight per unit area	1.65kg/m ²
	Type of weave / cell dimensions	200 Filaments per strand
	Flame retardant details	See Note 2 Below

Concrete	General description	Concrete
	Product reference	"Norskreen GRC Grade 18P"
	Detailed description	Cement /s mix
	Name of manufacturer	Telling Architectural Limited
	Thickness	12mm
	Density / weight per unit area	2200kg/m ³
	Colour reference	"White" (observed by Exova Warringtonfire)
	Flame retardant details	See Note 2 below
Mounting and fixing details		The specimen was tested in direct contact with the calcium silicate backing board (as specified in EN 13283: 2010)
Brief description of manufacturing process		See Note 3 Below

Note 1: The sponsor of the test was unwilling to provide this information

Note 2: The sponsor of the test has confirmed no flame retardants were used in the production of this component

Note 3: The sponsor of the test 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	Telling Architectural Ltd	WF 390205	BS EN 13823
Exova warringtonfire	Telling Architectural Ltd	WF 399756	BS EN ISO 1716
EU Commission	-	European Decision 2000/605/EC	Deemed to Satisfy A1

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN 13823	FIGRA _{0.2MJ}	3	0.00	Compliant
	FIGRA _{0.4MJ}		0.00	Compliant
	THR _{600s}		0.26	Compliant
	LFS		None	Compliant
	SMOGRA		0.00	Compliant
	TSP _{600s}		8.71	Compliant
BS EN ISO 1716	Brick – PCS (a)	3	0.00 MJ/kg	Compliant
	Mortar – PCS (a)		0.00 MJ/kg	Compliant
	Glass Fibre – PCS (a)		0.7671 MJ/kg	Compliant
	Concrete – PCS (a)		0.7424 MJ/kg	Compliant
	Product as a whole – PCS (e)		0.2426 MJ/kg	Compliant
Deemed to Satisfy A1	Brick		Clay Units	Compliant
	Mortar		Lime	Compliant
	Glass Fibre		Cellular Glass	Compliant
	Concrete		Concrete	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, "Norskreen Brick M4", a brick faced glass reinforced concrete with lime mortar, in relation to its reaction to fire behaviour is classified:

A1

The format of the reaction to fire classification for construction products:

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:

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

5. Limitations

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

SIGNED

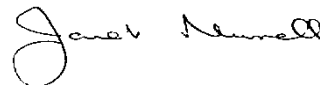


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Technical Department

APPROVED



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Janet Murrell

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

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Issue 2: 27th July 2018, change of address, K.Williams