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Reaction to fire classification report Nr 15456D

Owner of the classification report

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Introduction

This classification report defines the classification assigned to the product **'Compocrete'** 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 **Compocrete** is defined as a 'polymer concrete'.
Its classification is valid for the following end use application(s):
'Used as façade and ceiling finish for interior and exterior applications'.

b) Description

	Nominal values
COMPOCRETE	
Type product	The tested product is a polymer concrete consisting of 10-12% polyster resin and mineral fillings
Thickness (mm)	22
Density (kg/m³)	2300
Manufacturer	Known to the laboratory

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. Nr.	Test method
WFRGENT nv Ghent, Belgium	Known to the laboratory	15456B	EN 13823 (July 2010)
WFRGENT nv Ghent, Belgium	Known to the laboratory	15456A	EN ISO 11925-2 (November 2010)

b) Test results

Test method	Parameter	Number of tests	Results		Criteria for Class B-s2,d0	
			Continuous parameters Mean	Compliance parameters	Continuous parameters	Compliance parameters
EN ISO 11925-2 (*) 30s flame application:						
Surface exposure	$F_s \leq 150$mm	6	(-)	Yes	(-)	Yes
- front side	Ignition filter paper		(-)	No	(-)	No
Edge exposure						
- mid point 1,5 mm	$F_s \leq 150$mm	6	(-)	Yes	(-)	Yes
behind surface	Ignition filter paper		(-)	No	(-)	No
EN 13823	FIGRA $_{0,2\,MJ}$ (W/s)	3	41	(-)	≤ 120	(-)
	FIGRA $_{0,4\,MJ}$ (W/s)		41	(-)	≤ 120	(-)
	$LFS_{<edge}$		(-)	Yes	(-)	Yes
	THR_{600s} (MJ)		5,4	(-)	≤ 7,5	(-)
	SMOGRA (m^2/s^2)		7	(-)	≤ 180	(-)
	TSP_{600s} (m^2)		86	(-)	≤ 200	(-)
	Flaming droplets/particles					
	f<10s		(-)	No	(-)	No
	f>10s		(-)	No	(-)	No

(-) Not applicable

(*) The material did not melt nor pull away from the pilot burner.

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.

b) Classification

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

Fire behavior	Smoke production	Flaming droplets
B	**s2**	**d0**

c) Field of application

This classification for the product as described in §1b, is valid for the following end use conditions :

- Backing: Euroclass A2-s1, d0 or better with a nominal thickness of at least 9mm and a nominal density of at least 652,5 kg/m³
- Without a void
- Joints: Use of vertical joints

This classification is valid for the following product parameters:

- Nominal thickness : 22 mm
- Nominal density: 2300 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		06 JULI 2012
Reviewed by	ir. K. CATRY		06 JULI 2012
(*) For and on behalf of "WFRGENT nv"			

EN 13501-1 B-C-D WG 3E*

This document is a translation into English of the classification report Nr. 15456D, originally issued in Dutch. This translated classification report has been issued under the responsibility of and checked by WFRGENT nv This translation is issued according to the "Interpretations of the European standard EN ISO/IEC 17025: 2005" which applies to fire test laboratories, as defined in the EGOLF agreement EGA 08: 2012.
In case of doubt, the original version in Dutch prevails.
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