PEUTZ

Laboratory for Fire safety

Classification report

Classification of reaction to fire performance in accordance with EN 13501-1:2007+A1:2009 of Pyrasied Faux Alabaster

Report number Y 1705-3E-RA d.d. 6 April 2016

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Classification of reaction to fire performance in accordance with EN 13501-1:2007+A1:2009 of Pyrasied Faux Alabaster

Test Sponsor	PyraSied Xtreme Acrylic Apolloweg 26 8938 AT LEEUWARDEN The Netherlands
Issued by	Peutz bv Lindenlaan 41 6584 AC Molenhoek Postbus 66 6585 ZH Mook The Netherlands
Notified Body no.	
Product name	Pyrasied Faux Alabaster
Report number	Y 1705-3E-RA
Date	6 April 2016
Reference	JM/NvD//Y 1705-3E-RA
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1 Introduction

On behalf of PyraSied Xtreme Acrylic an investigation was performed with respect to the reaction to fire properties of Pyrasied Faux Alabaster.

This classification report defines the reaction to fire classification in accordance with the procedures set and EN 13501-1: 2007 + A1: 2009 of the product.

TESTEN
RvA L 505

For this type of measurements the Laboratory for Fire safety has been accredited by the Dutch "Raad voor Accreditatie" (RvA).

The RvA is member of EA MLA (**EA MLA**: **E**uropean **A**ccreditation Organisation **M**ulti**L**ateral **A**greement: http://www.european-accreditation.org).

EA: "Certificates and reports issued by bodies accredited by MLA and MRA members are considered to have the same degree of credibility, and are accepted in MLA and MRA countries."

2 Product description

The product investigated is Pyrasied Faux Alabaster, hereinafter also called 'the product'.
The product is a lightweight, fine-veined and translucent (artificial) marble, colour alabaster. The sheet material is applied both vertically and horizontally, especially as an artificial stone sheet for furniture and walls.

The sponsor was not able to give the data of manufacture.
The thickness of the product is 10 mm, the mass per unit of area is approx. 1,8 kg/m^2. The colour is considered to be white ('alabaster').

As specified by the sponsor the product is composed of:
- 30 % Polyester;
- 70% Aluminiumhydroxide.

3 Test reports and test results in support of the classification

3.1 Test reports

The following test reports were used:

Name of the laboratory	Name of client	Number and date of the test report	Test method
Peutz bv	PyraSied Xtreme Acrylic	Y 1705-1E-RA, April 6, 2016	EN 13823:2010
Peutz bv	PyraSied Xtreme Acrylic	Y 1705-1E-RA, April 6, 2016	EN-ISO 11925-2:2010

3.2 Test results

The test results are summarised as follows:

Test method	Parameter	Number of tests	Results		Criteria for class B-s1,d0	
			Continuous parameters average	Compliance parameters	Continuous parameters	Compliance parameters
EN-ISO 11925-2						
– Surface exposure	Fs ≤ 150 mm	6	20 mm	-	≤150 mm	-
	Ignition filter paper		-	N	-	N
– Edge exposure	Fs ≤ 150 mm	6	20 mm	-	≤ 150 mm	-
	Ignition filter paper		-	N	-	N
EN 13823						
	THR_{600s} [MJ]	3	2,1	-	≤ 7.5	-
	$FIGRA_{0,2MJ}$ [W/s]		18	-	≤ 120	-
	$FIGRA_{0,4MJ}$ [W/s]		18	-	-	-
	TSP_{600s} [m^2]		36,1	-	≤ 50	-
	SMOGRA [m^2/s^2]		3,5	-	≤ 30	-
	LFS < edge		-	Y	-	Y
	Droplets/particles – FDP ≤ 10 s – FDP > 10 s		-	 N N	-	 N N

4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2007+A1:2009.

4.2 Classification

The product, Pyrasied Faux Alabaster, has been classified to its reaction to fire behaviour as:

B

The additional classification for the smoke production is:

s1

The additional classification for flaming droplets is:

d0

Reaction to fire classification:

B-s1, d0

4.3 Field of application

The classification is valid for the following product parameters:

– Thickness	10	mm
– Surface weight	18	kg/m^2
– Colour	White (alabaster)	

The classification is valid for the following end use applications:

– Substrate	Against a non-combustible (A1 or A2) substrate
– Cavity	With a not ventilated air gap
– Method of attachment	Fixed with screws
– Joints	With or without joints / seams
– Other	Use as a artificial stone sheet for furniture and walls.

5 Limitations

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

Mook,

J.J. Mertens, MSc

Head of Laboratory for For Fire Testing

D.J. Den Boer, BEng

Management

This report contains 7 pages