



le futur en construction

SAFETY, STRUCTURES AND FIRE DEPARTMENT

Reaction to Fire

REACTION TO FIRE CLASSIFICATION REPORT

No. RA14-0162

ACCORDING TO THE EUROPEAN STANDARD

NF EN 13501-1+A1:2013

Provided the Ordinance from the Ministry of the interior, November 21, 2002 modified
Pilot laboratory approved by the Ministry of the Interior (Ordinance of February 5, 1959, modified)
Seule la version française fait foi

Only the French version is legally acceptable

Valid 5 years from August 11th, 2014

Owner: **ROCKWOOL FRANCE S.A.S. - ROCKFON**
111 rue du Château des Rentiers
75013 PARIS
FRANCE

Commercial brand(s): **ACOUSTIMASS**

Brief description: **Acoustic barrier**
(see detailed description in paragraph 2)

Date of issue: **August 11th, 2014**

The indicated classification does not prejudice the conformity of marketed materials with the samples submitted to the tests and under no circumstances, this document should not be considered as type approval or certification of the product in the sense of the L 115-27 to L 115-33 and R 115-1 to R 115-3 articles of the consumption's code.

If this report is being issued by e-mail and/or on an electronic medium, only the hard copy of the report signed by CSTB shall prevail in the event of a dispute.

The reproduction of this classification report is only authorised in its integral form.

It comprises 4 pages.

CENTRE SCIENTIFIQUE ET TECHNIQUE DU BATIMENT

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1. Introduction

This classification report defines the classification assigned to the above-mentioned product(s) in accordance with the procedures given in the NF EN 13501-1+A1:2013 standard.

2. Product description

Panel for acoustic barrier application.

Panel made of rock fibres bonded with a thermosetting resin covered on both sides with a glued (polyethylene glue) aluminium complex reinforced with a glass mesh.

Nominal thickness: 80 mm.

Nominal density of the rock wool: 80 kg/m³.

Nominal weight per unit area of the reinforced aluminium complex: 75 g/m².

Colours: aluminium (complex) and khaki (rock wool).

3. Tests reports and tests results in support of this classification

3.1 Tests reports

Name of laboratory	Name of sponsor	Test identification	Test report No.	Test method
CSTB	ROCKWOOL FRANCE S.A.S. - ROCKFON 111 rue du Château des Rentiers 75013 PARIS FRANCE	ES541140160	RA14-0162	EN 13823:2002 EN ISO 1716:2002
		ES541050415	RA05-0394	EN ISO 1716:2002

3.2 Tests results

Test method	Product	Number of tests	Parameters	Results	
				Continuous parameters Mean values	Compliance parameters
EN 13823	ACOUSTIMASS 80 mm thick	3	FIGRA _{0.2MJ} (W/s) FIGRA _{0.4MJ} (W/s) LFS THR _{600s} (MJ)	35.2 0.0 - 0.7	- - Not reached -
			SMOGRA(m ² /s ²) TSP _{600s} (m ²)	0.0 17.2	- -
			Flaming droplets or debris	-	None
EN ISO 1716	Substantial component (rock wool)		PCS (MJ/kg)	1.3	-
	External non-substantial component (aluminium foil + glass mesh + glue)		PCS (MJ/m ²)	0.9	
	Whole product (worst case)		PCS (MJ/kg)	1.1	

(-) means: not applicable

4. Classification and direct field of application

4.1 Reference of the classification

This classification has been carried out in accordance with clauses 11.7.3, 11.9.2 and 11.10.1 of the NF EN 13501-1+A1:2013 standard.

4.2 Classification

Fire behaviour		Smoke production		Flaming droplets or debris
A2	-	s1	,	d0

Classification: A2 - s1, d0

4.3 Field of application

This classification is valid for the following product parameters:

- The product described in paragraph 2.
- An overall nominal thickness of 80 mm.
- A nominal density of the rock wool of 80 kg/m³.
- An aluminum colour.

This classification is valid for the following end use conditions:

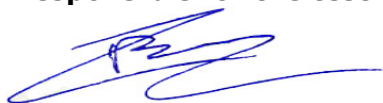
- Without substrate or on any A1 or A2-s1,d0 class substrate with a density ≥ 652 kg/m³.
- With or without air gap.

5. Limitation

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

Champs-sur-Marne, August 11th, 2014

**The Technician
Responsible for the test**



Maxime BAUER

**The Head of Reaction to Fire
Unit**



Gildas CREACH

.....END OF THE CLASSIFICATION REPORT