



le futur en construction

SAFETY, STRUCTURES AND FIRE DEPARTMENT

Reaction to Fire

REACTION TO FIRE CLASSIFICATION REPORT

No. RA16-0262

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 October 25th, 2016

Owner: **AC&CS – CRM GROUP**
Allée de l’Innovation 1, B57
Quartier Polytech 3
4000 LIEGE
BELGIUM

Commercial brand(s): **GRANITE® QUARTZ**

Brief description: **Metal sheet**
(see detailed description in paragraph 2)

Date of issue: **October 25th, 2016**

This classification report certifies only the characteristics of the object submitted for testing but does not prejudice the characteristics of similar products. So it does not constitute a product certification in the sense of Articles L 115-27 to L 115-33 and R 115-1 to R 115-3 of the Consumer 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

Steel sheet coated on both sides as follows:

- On the external side: a polyester resin-based primer (10 or 15 µm thick) and a polyester resin-based finishing paint (30 µm thick).
- On the reverse side: two polyester resin-based backcoat paints (5 + 7 µm thick).

Nominal thickness of the tested steel sheet: 0.50 mm.

Colours: various.

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	AC&CS – CRM GROUP Allée de l’Innovation 1, B57 Quartier Polytech 3 4000 LIEGE BELGIUM	ES541150497	RA16-0262	NF EN 13823+A1:2015 NF EN ISO 1716:2013
	AC&CS Boulevard de Colonster, B57 4000 LIEGE BELGIUM	ES541140632	RA15-0055	NF EN 13823:2002 NF EN ISO 1716:2002 NF EN ISO 1716:2013

3.2 Tests results

Test method	Product	Number of tests	Parameters	Results	
				Continuous parameters Mean values	Compliance parameters
NF EN 13823	GRANITE® QUARTZ (10 µm thick primer)	3	FIGRA _{0,2MJ} (W/s)	0.0	-
			FIGRA _{0,4MJ} (W/s)	0.0	-
			LFS	-	Not reached
			THR _{600s} (MJ)	0.5	-
			SMOGRA(m ² /s ²)	0.0	-
			TSP _{600s} (m ²)	18.8	-
			Gouttelettes ou particules enflammées	-	None
NF EN 13823+A1	GRANITE® QUARTZ (15 µm thick primer)	1	FIGRA _{0,2MJ} (W/s)	0.0	-
			FIGRA _{0,4MJ} (W/s)	0.0	-
			LFS	-	Not reached
			THR _{600s} (MJ)	0.6	-
			SMOGRA(m ² /s ²)	0.0	-
			TSP _{600s} (m ²)	26.8	-
			Flaming droplets or debris	-	None
NF EN ISO 1716	External non substantial component (external side)	3	PCS (MJ/m ²)	1.3	-
	External non substantial component (reverse side)	3	PCS (MJ/m ²)	0.4	-
	Whole product (GRANITE® QUARTZ - 10 µm thick primer)	-	PCS (MJ/kg)	0.4	-
NF EN ISO 1716	External non substantial component (external side)	3	PCS (MJ/m ²)	1.5	-
	External non substantial component (reverse side)	3	PCS (MJ/m ²)	0.4	-
	Whole product (GRANITE® QUARTZ - 15 µm thick primer)	-	PCS (MJ/kg)	0.5	-

(-) 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 clause 11.8.2 of the NF EN 13501-1+A1:2013 standard.

4.2 Classification

Fire behaviour
A1

Classification: A1

4.3 Field of application

This classification is valid for the following product parameters:

- The product described in paragraph 2.
- Any coating of the same type and with a Gross Heat of Combustion per unit area ≤ 1.5 MJ/m² on the external side and ≤ 0.4 MJ/m² on the reverse side.
- A nominal thickness of the steel sheet ≥ 0.50 mm.
- Various colours.

This classification is valid for the following end use conditions:

- Without substrate or with any A1 or A2-s1,d0 class substrate with a density ≥ 652 kg/m³.
- With an air gap ≥ 80 mm.

5. Limitation

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

Champs-sur-Marne, October 25th, 2016

**The Technician
Responsible for the test**



Benoit FOREST

The Head of Reaction to Fire activity



Martial BONHOMME

.....END OF THE CLASSIFICATION REPORT