

REACTION TO FIRE CLASSIFICATION REPORT **No. RA15-0291** **ACCORDING TO THE EUROPEAN STANDARD** **NF EN 13501-1+A1:2013**

Notification by the French Government to the European Commission under no. 0679
Seule la version française fait foi
The French version is legally acceptable

Valid 5 years from November 23rd, 2015

Products standards

NF EN 14782:2006 "Self-supporting metal sheet for roofing, external cladding and internal lining -
Product specification and requirements"

NF EN 14783:2013 "Fully supported metal sheet and strip for roofing, external cladding and internal
lining - Product specification and requirements"

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

Commercial brand(s): **GRANITE® STANDARD 25 µm**
ESTETIC® STANDARD 25 µm

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

Date of issue: **November 23rd, 2015**

This classification report certifies only the characteristics of the object submitted for testing but does not prejudge 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.

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:
 - Either a polyester without chromium VI resin-based primer (5 µm thick) and a polyester resin-based finishing paint (20 µm thick).
 - Either a polyester resin-based primer (5 µm thick) and a polyester resin-based finishing paint (20 µm thick).
- On the reverse side: two polyester resin-based backcoats (7 + 8 µm thick).

Nominal thickness of the steel sheet: 0.45 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	ES541140669	RA15-0291	NF EN 13823:2002 NF EN ISO 1716:2002 NF EN ISO 1716:2013
			RA15-0290	NF EN ISO 1716:2013
	I-R&D ARCELOR FCSE Centre Industrie Liège SSDC / Metalworking Bld de Colonster, B57 4000 LIEGE BELGIUM	ES541051109	RA07-0494	NF EN 13823:2002 NF EN ISO 1716:2002

3.2 Tests results

Test method	Product	Number of tests	Parameters	Results	
				Continuous parameters Mean values	Compliance parameters
NF EN 13823	GRANITE® STANDARD 25 µm ESTETIC® STANDARD 25 µm	3	FIGRA _{0.2MJ} (W/s) FIGRA _{0.4MJ} (W/s) LFS THR _{600s} (MJ)	0.0 0.0 - 0.3	- - Not reached -
			SMOGRA(m ² /s ²) TSP _{600s} (m ²)	0.0 26.3	- -
			Flaming droplets or debris	-	None
NF EN ISO 1716	External non substantial component (external side)	3 (per component)	QPCS (MJ/m ²)	0.9	-
	External non substantial component (reverse side)			0.4	-
	Product on its whole (GRANITE® STANDARD 25 µm ESTETIC® STANDARD 25 µm)	-	QPCS (MJ/kg)	0.3	-

(-) 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		Smoke production		Flaming droplets or debris
A1	-	Not applicable	,	Not applicable

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 with a Gross Heat of Combustion per unit area $\leq 0.9 \text{ MJ/m}^2$ on the external side and $\leq 0.4 \text{ MJ/m}^2$ on the reverse side.
- A nominal thickness of steel sheet $\geq 0.45 \text{ mm}$.
- 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 $\geq 652 \text{ kg/m}^3$ and with a thickness $\geq 9 \text{ mm}$.
- With an air gap $\geq 80 \text{ mm}$.

5. Limitations

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


Champs-sur-Marne, November 23rd, 2015

**The Technician
Responsible for the test**



Franck GOGUEL

**The Head of Reaction to Fire
Unit**



Gildas CREACH

.....END OF THE CLASSIFICATION REPORT