

## **REACTION TO FIRE CLASSIFICATION REPORT No. RA15-0255 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 October 26<sup>th</sup>, 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® STORM**

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

**Date of issue:** **October 26<sup>th</sup>, 2015**

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.

## **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 polyurethane without chromium VI resin-based primer (25 µm thick) and a polyurethane resin-based finishing paint (25 µm thick).
- On the reverse side: two polyester resin-based backcoats (8 + 7 µm thick).

Nominal thickness of the steel sheet: 0.465 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	Extension test report No.	Test method
<b>CSTB</b>	<b>AC&amp;CS – CRM GROUP</b> <b>Allée de l'innovation 1, B57</b> <b>Quartier Polytech 3</b> <b>4000 LIEGE</b> <b>BELGIUM</b>	<b>ES541140373</b>	RA15-0255	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® STORM	3	FIGRA <sub>0.2MJ</sub> (W/s)	<b>10.9</b>	-
			FIGRA <sub>0.4MJ</sub> (W/s)	<b>9.5</b>	-
			LFS	-	<b>Not reached</b>
			THR <sub>600s</sub> (MJ)	<b>1.4</b>	-
			SMOGRA(m <sup>2</sup> /s <sup>2</sup> )	<b>0.0</b>	-
			TSP <sub>600s</sub> (m <sup>2</sup> )	<b>27.0</b>	-
			Flaming droplets or debris	-	<b>None</b>
NF EN ISO 1716	External non substantial component (external side)	3 (per component)	QPCS (MJ/m <sup>2</sup> )	<b>1.4</b>	-
	External non substantial component (reverse side)			<b>0.4</b>	-
	Product on its whole (GRANITE® STORM)	-	QPCS (MJ/kg)	<b>0.5</b>	-

(-) 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
<b>A1</b>	-	<b>Not applicable</b>	,	<b>Not applicable</b>

**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  $\leq 1.4 \text{ MJ/m}^2$  on the external side and  $\leq 0.4 \text{ MJ/m}^2$  on the reverse side.
- A nominal thickness of steel sheet  $\geq 0.465 \text{ mm}$ .
- 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, October 26<sup>th</sup>, 2015

**The Technician  
Responsible for the test**



**Franck GOGUEL**

**The Head of Reaction to Fire  
Unit**



**Gildas CREACH**

.....END OF THE CLASSIFICATION REPORT