

## REACTION TO FIRE CLASSIFICATION REPORT No. RA15-0042 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

### Product 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"

<b>Owner:</b>	<b>AC&amp;CS SCRL Boulevard de Colonster 4000 LIEGE BELGIUM</b>
<b>Commercial brand(s):</b>	<b>Granite® Rain HDX</b>
<b>Manufacturing unit(s):</b>	<b>The manufacturing unit appears in the associated tests report</b>
<b>Brief description:</b>	<b>Metal sheets</b> (see detailed description in paragraph 2)
<b>Date of issue:</b>	<b>February 25<sup>th</sup>, 2015</b>

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 3 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 with a primer made of polyurethane resin without chromium VI (30 µm) and a finishing paint made of polyurethane resin without chromium (30 µm).

Minimal nominal thickness of the sheet: 0.465 mm.

Colours: various (except metallic paints).

## 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
<b>CSTB</b>	<b>AC&amp;CS SCRL Boulevard de Colonster 4000 LIEGE BELGIUM</b>	<b>ES541140666</b>	RA15-0042	NF EN 13823:2002 NF EN ISO 1716:2002

### 3.2 Tests results

Test method	Product	Number of tests	Parameters	Results	
				Continuous parameters Mean value	Compliance parameters
NF EN 13823	Granite® Rain HDX	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 (primer + finish for both sides)	3 (per component)	PCS (MJ/m <sup>2</sup> )	<b>1.8</b>	-
	Whole product (worst case)	-	PCS (MJ/kg)	<b>1.0</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

<b>Fire behaviour</b>
<b>A1</b>

**Classification: A1**

##### 4.3 Field of application

This classification is valid for the following product parameters:

- The product described in paragraph 2.
- A nominal thickness of steel sheet  $\geq 0.465$  mm.
- Various non-metallic colours (polyurethane primer without chromium VI 30  $\mu\text{m}$  + polyurethane finish without chromium 30  $\mu\text{m}$ ) on both sides.

#### 5. Limitations

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

The classification assigned to the product in this report is appropriate to a declaration of performance by the manufacturer within the context of system 3 attestation of conformity and CE marking under the European Construction Products Regulation (regulation UE no. 305/2011). The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

Champs-sur-Marne, February 25<sup>th</sup>, 2015

**The Report Writer**



**Olivier BRAULT**

**The Head of Reaction to Fire Unit**



**Gildas CREACH**

.....END OF THE CLASSIFICATION REPORT