

## REACTION TO FIRE CLASSIFICATION REPORT No. RA08-0035 ACCORDING TO THE EUROPEAN STANDARD NF EN 13501-1

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 standard:

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

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

**Owner:** ArcelorMittal  
Centre Industrie liège  
SSDC / Metalworking  
Bld de Colonster, B57  
4000 LIEGE  
BELGIUM

**Commercial brand(s):** Granite HDS / Hairultra 35

**Manufacturing unit(s):** ArcelorMittal Montaire  
1 route de St-Leu  
60761 MONTATAIRE  
BELGIUM

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

**Date of issue:** January 25<sup>th</sup>, 2008

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 article of the consumption's code and of the law dated June 3<sup>rd</sup>, 1994.  
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 standard.

## **2. Product description**

Steel sheet coated on the back side with two polyester resin-based backcoats (5 + 7 µm) and on the top side with both a polyester-based primer (15 µm) and finishing coat (20 µm).

Minimal nominal thickness of the steel sheet: 0.55 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 Nos.	Test method
<b>CSTB</b>	<b>ArcelorMittal Centre Industrie liège SSDC / Metalworking Bld de Colonster, B57 4000 LIEGE BELGIUM</b>	<b>ES541041017</b>	RA08-0032	EN 13823 EN ISO 1716
<b>CSTB</b>	<b>ArcelorMittal Centre Industrie liège SSDC / Metalworking Bld de Colonster, B57 4000 LIEGE BELGIUM</b>	<b>ES541041014 ES541041018</b>	RA05-0254 RA07-0364	EN ISO 1716

Test method	Product	Number of tests	Parameters	Results	
				Continuous parameters : mean value	Compliance parameters
EN 13823	Granite HDS / Hairultra 35	3	FIGRA <sub>0.2MJ</sub> (W/s)	<b>0.0</b>	-
			FIGRA <sub>0.4MJ</sub> (W/s)	<b>0.0</b>	-
			LFS	-	<b>Not reached</b>
			THR <sub>600s</sub> (MJ)	<b>0.3</b>	-
			SMOGRA(m <sup>2</sup> /s <sup>2</sup> )	<b>0.0</b>	-
			TSP <sub>600s</sub> (m <sup>2</sup> )	<b>26.6</b>	-
			Flaming droplets or debris	-	<b>None</b>
EN ISO 1716	Non Substantial External Component (exposed side)	3 (per component)	PCS (MJ/m <sup>2</sup> )	<b>1.3</b>	-
	Non Substantial External Component (non-exposed side)		PCS (MJ/m <sup>2</sup> )	<b>0.3</b>	-
	Whole product		PCS (MJ/kg)	<b>0.4</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 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:

- A nominal steel sheet thickness  $\geq 0.55$  mm.
- Various colours of polyester finishing (primer 15  $\mu\text{m}$  + finishing 20  $\mu\text{m}$ ) on the exposed side.
- A maximum backcoat thickness of 12  $\mu\text{m}$  (backcoat 5  $\mu\text{m}$  + backcoat 7  $\mu\text{m}$ ) on the non-exposed side.

Champs-sur-Marne, January 25<sup>th</sup>, 2008

**The Technician  
responsible for the test**



**Gildas CREACH**

**The Head of Reaction to Fire activity**



**Martial BONHOMME**

.....END OF THE CLASSIFICATION REPORT