

REACTION TO FIRE CLASSIFICATION REPORT **No. RA11-0097** **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 standards

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 LIEGE RESEARCH SCRL**
Boulevard de Colonster, B57
4000 LIEGE
BELGIUM

Commercial brand(s): **GRANITE WOOD**
GRANITE CLOUDY

Manufacturing unit(s): **ARCELORMITTAL SWIETOCHLOWICE**
ul. Metalowcow 5
41-600 SWIETOCHLOWICE
POLAND

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

Date of issue: **April 08th, 2011**

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 3rd, 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 a polyester resin-based backcoat (12 µm thick) and on the visible side with a polyester resin-based primer (10 µm thick) and a polyester resin-based finishing paint (26 µm thick).

Nominal thickness of the steel sheet: 0.40 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
CSTB	ARCELORMITTAL LIEGE RESEARCH SCRL Boulevard de Colonster, B57 4000 LIEGE BELGIUM	ES541100749	RA11-0097	EN 13823 EN ISO 1716
		ES541041017	RA08-0032	EN ISO 1716

3.2 Tests results

Test method	Product	Number of tests	Parameters	Results	
				Continuous parameters : mean value	Compliance parameters
EN 13823	GRANITE WOOD	3	FIGRA _{0.2MJ} (W/s)	1.5	-
			FIGRA _{0.4MJ} (W/s)	1.5	-
			LFS	-	Not reached
			THR _{600s} (MJ)	0.8	-
			SMOGRA(m ² /s ²)	0.0	-
			TSP _{600s} (m ²)	17.6	-
			Flaming droplets or debris	-	None
EN ISO 1716	External non substantial components (exposed side)	3	PCS (MJ/m ²)	1.1	-
	External non substantial components (non-exposed side)	3	PCS (MJ/m ²)	0.4	-
	Whole product (worst case)	-	PCS (MJ/kg)	0.5	-

(-) means: not applicable

3.3 Additional test

Test method	Product	Number of tests	Parameters	Results	
				Continuous parameters : mean value	Compliance parameters
EN 13823	GRANITE CLOUDY	1	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)	26.3	-
			Flaming droplets or debris	-	None

(-) 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 clauses 11.8.2 of the NF EN 13501-1 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:

- A nominal thickness of steel sheet ≥ 0.40 mm.
- Various colours of polyester finish (10 μ m thick primer + 26 μ m thick finish) on the exposed side.
- A maximum polyester backcoat thickness of 12 μ m on the non-exposed side.

Champs-sur-Marne, April 08th, 2011

**The Technician
Responsible for the test**

Olivier BRAULT

**The Head of Reaction to Fire
laboratory**

P.O. Martial Bonhomme

Gildas CREACH

.....END OF THE CLASSIFICATION REPORT