

REACTION TO FIRE CLASSIFICATION REPORT No. RA15-0093 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 May 06th, 2015

Product standards

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

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

Owner: **TATA STEEL MAUBEUGE S.A.S.**
22 avenue Jean de Béco
59600 MAUBEUGE
FRANCE

Commercial brand(s): **ADVANTICA® CL CLEAN**

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

Date of issue: **May 06th, 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: a polyurethane resin-based primer (17 µm thick), a polyester resin-based finishing paint (18 µm thick) and a PET (polyterephthalate ethylene) film (15 µm thick).
- On the reverse side: a polyester resin-based backcoat (from 7 to 12 µm thick).

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 No.	Test method
CSTB	TATA STEEL MAUBEUGE S.A.S. 22 avenue Jean de Béco 59600 MAUBEUGE FRANCE	ES541140057	RA15-0093	NF EN 13823:2013 NF EN ISO 1716:2013
	MYRIAD - a TATA Steel Enterprise 22 avenue Jean de Béco 59600 MAUBEUGE FRANCE	ES541110282	RA11-0276	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	ADVANTICA® CL CLEAN	3	FIGRA _{0.2MJ} (W/s)	0.0	-
			FIGRA _{0.4MJ} (W/s)	0.0	-
			LFS	-	Not reached
			THR _{600s} (MJ)	0.4	-
			SMOGR(m ² /s ²)	0.0	-
			TSP _{600s} (m ²)	22.5	-
			Flaming droplets or debris	-	None
NF EN ISO 1716	External non substantial component (visible side)	3 (per component)	PCS (MJ/m ²)	1.4	-
	Substantial component (steel sheet)	-	PCS (MJ/kg)	0.0	
	External non substantial component (back side)	3 (per component)	PCS (MJ/m ²)	0.3	
	Whole product (worst case)	-	PCS (MJ/kg)	0.4	

(-) 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 $\leq 1.4 \text{ MJ/m}^2$ on the external side and $\leq 0.3 \text{ MJ/m}^2$ on the reverse side.
- A nominal thickness of steel sheet $\geq 0.55 \text{ mm}$.
- 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 $\geq 652 \text{ kg/m}^3$.
- 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, May 06th, 2015

**The Technician
Responsible for the test**



Maxime BAUER

**The Head of Reaction to Fire
Unit**



Gildas CREACH

.....END OF THE CLASSIFICATION REPORT