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**EUROPEAN REACTION TO FIRE CLASSIFICATION REPORT
IN ACCORDANCE WITH NF EN 13501-1: 2002**Product standard : NF EN 14782
Self-supporting metal sheet for roofing, external cladding and internal lining

(free translation of French classification report n°H030413 CEMATE/7)

N° H030413 - CEMATE/8**Sponsor :** EPPF
6/14 rue la Pérouse
75784 PARIS CEDEX 16
FRANCE**Commercial trademark :** 5008 Hairultra 35**Brief description :** Steel sheet covered on the internal face of a primary and a polyester finishing (total thickness: 35 μm) and on the external face of a primary and a finishing (total thickness: 14 μm).Total thickness : ~ 0,5 mm.
Mass per unit area : ~ 4,550 kg/m².**Date of report :** 12 November 2007.

The quoted results are only applicable to the samples, the products or materials described in this document.

**The full document can be copied.
It is composed of 5 pages**

1. INTRODUCTION

This classification report defines the classification assigned to product in accordance with the procedures given in EN 13501-1:2002.

2. DETAILS OF CLASSIFIED PRODUCT

2.1. NATURE AND END USE APPLICATION

Steel sheet covered on the internal face of a primary and a polyester finishing (total thickness: 35 µm) and on the external face of a primary and a finishing (total thickness: 14 µm).

End use : Metal sheet for roofing, external cladding and internal lining.

2.2. DESCRIPTION

The tested product referenced are fully described in the test reports referenced File H030413 – Documents CEMATE/2 and CEMATE/4.

Main characteristics of tested product :

Commercial Trademark	Mass per unit area of steel sheet	Thicknesse	Colors
5008 Hairultra 35	4,475 kg/m ²	~ 0,5 mm	Blue/grey

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3. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

3.1. TEST REPORTS

Name of laboratory	Name of sponsor	Test report ref. n°	Test method
Laboratoire national de métrologie et d'essais 29 av. Roger Hennequin 78197 TRAPPES Cedex FRANCE	EPPF 6/14 rue la Pérouse 75784 PARIS CEDEX 16 FRANCE	H030413 : CEMATE/4	NF EN ISO 1716 PCS
Notified Body : 0071		CEMATE/2	EN 13823 :2002 SBI test.

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3.2. TEST RESULTS FOR CONSTRUCTION PRODUCTS EXCEPT FLOORINGS

Test Method	Parameter	Number of tests	Results	
			Continuous parameters mean m	Compliance parameter
NF EN ISO 1716	Glass wool (MJ/m ²)	3	4,140	-
	Glass fiber (MJ/m ²)		0,339	
	Primary (MJ/m ²)		0,392	
	PVDF painting (MJ/m ²)		0,995	
	Product in its entirety (MJ/kg)		0,676	
EN 13823 : 2002.	FIGRA _{0.2 MJ} (W/s)	3	24	-
	FIGRA _{0.4 MJ} (W/s)		9	-
	LFS < edge		-	YES
	THR _{600s} (MJ)		0,6	-
	SMOGRA (m ² /s ²)		0	-
	TSP _{600s} (m ²)		37	-
	Flaming droplets / particules:		-	NO
FDP (≤ 10 s)	-	-		
FDP (> 10 s)	-	-		

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4. CLASSIFICATION AND DIRECT FIELD APPLICATION

4.1. CLASSIFICATION

The classification has been carried out in accordance with clause 10 of EN 13501-1 : 2002.

Fire behaviour	Smoke production	Flaming droplets
A2	s1	d0

Classification : A2 – s1, d0

4.2. FIELD OF APPLICATION

The classification is valid for the following product parameters :

- thickness of steel sheet excluding organic coatings : equal or bigger than 0,5 mm ;
- profile geometry of sheeting : valid for all the types of profile with depth of ribs \leq 165 mm ;
- internal coating composed of a primary \leq 15 μ m and of a polyester finishing \leq 21 μ m of various colours and those for which the PCS or mass is equivalent or lower than the coatings tested ;
- back side coating \leq 14 μ m ;
- overlap between two successive profiles : valid for all overlaps between 40 mm and 300 mm ;
- fixing for metal flashing : valid for fixing spacing \leq 360 mm ;
- same composition than the products mentioned in the tests reports.

The classification is valid for the following end use conditions :

- with or without horizontal joint,
- with glass wool insulation classified A1 (fire classification), of thickness lower or equal than 160 mm and a total thermal resistance of 4,0 (m².k)/W maximum (double skin system).

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5. LIMITATIONS

5.1. RESTRICTIONS CONCERNING THE VALIDITY PERIOD OF THE CLASSIFICATION REPORT

None.

5.2. WARNING

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

Trappes, the 12 November 2007

The Head of Fire
Behaviour Division



Alain SAINRAT



Test officer



Alexandre DERNIAUX