

**File F120272 - Document CEMATE/10 - Page 1/6**

**This document cancels and replaces the document :  
File F120272 – CEMATE/4 dated on 26<sup>th</sup> April 2006**

## **EUROPEAN REACTION TO FIRE CLASSIFICATION REPORT IN ACCORDANCE WITH EN 13501-1: 2002**

And the French modified Arrêté, dated 21 November 2002, concerning the reaction to fire of construction and fitting-out products.

**N° F120272 - CEMATE/10**

**Sponsor :**  
WINCO TECHNOLOGIES  
8 rue Boisillon  
Z.I des Châtelets  
22950 TREGUEUX  
FRANCE

**Commercial trademark :** SKYTECH

**Brief description :**  
Multi-layer insulating complex :  
- Glass cloth with aluminium foil  
- Glass mat needled  
-Aluminium foil

**Period of validity :** 5 years from the 26<sup>th</sup> April 2006

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 6 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

Multi-layer insulating complex :  
- Glass cloth with aluminium foil  
- Glass mat needled  
-Aluminium foil

End use : Under-roof screen.

### 2.2. DESCRIPTION

The tested product referenced are fully described in the test reports referenced File F120272 - Documents CEMATE/1 and CEMATE/2.

Main characteristics of tested products :

Commercial trademark	Total surfacic mass	Product thickness	Facing color
SKYTECH	1160 g/m <sup>2</sup>	~ 8 mm	Bright aluminium

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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'essai 29 av. Roger Hennequin 78197 TRAPPES Cedex FRANCE  Notified Body : 0071	WINCO TECHNOLOGIES 8 rue Boisillon Z.I des Châtelets 22950 TREGUEUX FRANCE	F120272 :  CEMATE/1    CEMATE/2	Heat of combustion EN ISO 1716 : 2002  SBI test EN 13823 : 2002

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3.2. TEST RESULTS FOR CONSTRUCTION PRODUCTS EXCEPT FLOORINGS

Test methods	Parameters	Nb of tests	Results	
			Continuous parameter mean m	Compliance parameters
EN ISO 1716 :2002	Glass fiber (MJ/kg) :	3	0,575	-
	Needled layer (MJ/kg) :		0,735	-
	PEBD (MJ/kg) :		46,137	-
	Aluminium (MJ/kg) :		0	-
	Total (MJ/kg) :		2,516	-
EN 13823 :2002	FIGRA <sub>0.2 MJ</sub> (W/s)	3	4	-
	FIGRA <sub>0.4 MJ</sub> (W/s)		2	-
	LFS < edge		-	YES
	THR <sub>600s</sub> (MJ)		0,6	-
	SMOGRA (m <sup>2</sup> /s <sup>2</sup> )		0	-
	TSP <sub>600s</sub> (m <sup>2</sup> )		22	-
	Flaming droplets (FDP) :		-	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
<b>A2</b>	<b>s1</b>	<b>d0</b>

Classification : **A2 – s1, d0**

##### 4.2. FIELD OF APPLICATION

The classification is valid for the product referenced SKYTECH with following parameters :

- Characteristics of the various layers identical to those mentioned in the § 2 and the tests reports.

The classification is valid for the following end use conditions :

- With all substrates containing wood and all substrates classified A1 and A2 ;
- With mechanical fixing,
- With or without horizontal joint (including a covering of product, with adhesive, such as the one subjected to the test),
- With an airgap equal or higher than 40 mm.

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**5. LIMITATIONS**

**5.1. RESTRICTIONS CONCERNING THE VALIDITY PERIOD OF THE CLASSIFICATION REPORT**

Period of validity : 5 years from the 26<sup>th</sup> April 2006.

**5.2. WARNING**

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

**Trappes, the 28 August 2006**

**Responsible of Building  
Fire Behaviour**

A handwritten signature in black ink, appearing to read 'C. Blanc', written over a horizontal line.

**Christophe BLANC**

**The technical Manager**

**Romain FRIGOT**