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**SAFETY, STRUCTURES AND FIRE DEPARTMENT**

Reaction to fire

# **REACTION TO FIRE CLASSIFICATION REPORT**

## **No. RA13-0172**

### **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

**NF EN 13986:** "Wood-based panels for use in construction –  
Characteristics, evaluation of conformity and marking"

**Owner:** SARECO Deutschland GmbH  
Birkhof 14  
49479 IBBENBUEREN  
GERMANY

**Commercial brand(s):** DUHOSPAN FR.MELAMINFACED CHIPBOARD

**Manufacturing unit(s):** SARECO Deutschland GmbH  
Birkhof 14  
49479 IBBENBUEREN  
GERMANY

**Brief description:** Fire-retarded wood particleboard covered with a decorative melamine paper  
(see detailed description in paragraph 2)

**Date of issue:** July 08<sup>th</sup>, 2013

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 to L 115-33 and R 115-1 to R 115-3 articles of the consumption's 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.

**Modification of the Company name and address of the owner and the manufacturing unit.**

**The document RA13-0172 dated July 08<sup>th</sup>, 2013 cancels and replaces the document RA13-0172 dated June 10<sup>th</sup>, 2013.**

**CENTRE SCIENTIFIQUE ET TECHNIQUE DU BATIMENT**

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## 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

Panel consisting of a fire-retarded during production substrate made of particles wood referenced « SPANO ANTIVLAM » covered by gluing (melamine glue) on the visible side with a decorative melamine paper.

The backside is covered with a similar stability melamine paper.

Nominal thickness of the fire-retarded wood particleboard: 12 mm.  
Nominal density of the fire-retarded wood particleboard: 745 kg/m<sup>3</sup>.  
Nominal thickness of the decorative melamine paper: 0.26 mm.  
Overall measured weight per unit area: about 8.7 kg/m<sup>2</sup>.  
Colour: 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	SARECO Deutschland GmbH Birkhof 14 49479 IBBENBUEREN GERMANY	ES541130141	RA13-0172	EN ISO 11925-2 EN 13823

**3.2 Tests results**

Test method	Product	Number of tests	Parameters	Results
				Compliance parameters
EN ISO 11925-2 30s surface exposure	DUHOSPAN FR.MELAMINFACED CHIPBOARD (melamine paper)	6	Fs > 150 mm Filter paper	Not reached Not ignited
EN ISO 11925-2 30s edge exposure	DUHOSPAN FR.MELAMINFACED CHIPBOARD (melamine paper)	6	Fs > 150 mm Filter paper	Not reached Not ignited
EN ISO 11925-2 30s edge exposure specimen turned at 90°	DUHOSPAN FR.MELAMINFACED CHIPBOARD (melamine paper)	6	Fs > 150 mm Filter paper	Not reached Not ignited
EN ISO 11925-2 30s edge exposure specimen turned at 90°	DUHOSPAN FR.MELAMINFACED CHIPBOARD (fire-retarded wood particleboard)	6	Fs > 150 mm Filter paper	Not reached Not ignited
EN ISO 11925-2 30s edge exposure specimen turned at 90°	DUHOSPAN FR.MELAMINFACED CHIPBOARD (glue)	6	Fs > 150 mm Filter paper	Not reached Not ignited

Test method	Product	Number of tests	Parameters	Results	
				Continuous parameters : mean value	Compliance parameters
EN 13823	DUHOSPAN FR.MELAMINFACED CHIPBOARD	3	FIGRA <sub>0.2MJ</sub> (W/s)	121.9	-
			FIGRA <sub>0.4MJ</sub> (W/s)	90.8	-
			LFS THR <sub>600s</sub> (MJ)	- 6.4	Not reached -
			SMOGRA(m <sup>2</sup> /s <sup>2</sup> ) TSP <sub>600s</sub> (m <sup>2</sup> )	9.9 55.9	- -
			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 11.5, 11.9.3 and 11.10.1 of the NF EN 13501-1 standard.

**4.2 Classification**

Fire behaviour		Smoke production		Flaming droplets or debris
<b>C</b>	-	<b>s2</b>	,	<b>d0</b>

**Classification: C - s2, d0**

**4.3 Field of application**

This classification is valid for the following product parameters:

- The product described in paragraph 2.
- A nominal thickness of the wood particleboard of 12 mm.
- A nominal density of the wood particleboard of 745 kg/m<sup>3</sup>.
- A nominal thickness of the decorative melamine paper of 0.26 mm.
- Various colours on the visible side.

This classification is valid for the following end use conditions:

- Mechanically fixed to wood or metal substructure.
- With any A1 or A2-s1,d0 class substrate with a density ≥ 652 kg/m<sup>3</sup>.
- With a minimum air gap of 40 mm.

Champs-sur-Marne, July 08<sup>th</sup>, 2013

**The Technician  
Responsible for the test**



**Maxime BAUER**

**The Head of Reaction to Fire  
Unit**



**Gildas CREACH**

.....END OF THE CLASSIFICATION REPORT