

Classification report Nr 10911B

Translation of the "Classificatieverslag Nr. 10911B"

Owner of the classification report

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Introduction

This classification report defines the classification assigned to product **Isomo Alumo** in accordance with the procedures given in the standard EN 13501-1 (February 2002) : Fire classification of construction products and building elements part 1 : classification using data from reaction to fire tests.

Registration number
of the Notified Body
1173

This classification report consists of 5 pages

1. DETAILS OF CLASSIFIED PRODUCT

a) Nature and end use application

The product **Isomo Alumo** is defined as a 'self supporting double skinned metal faced insulating sandwich panel'.

Its classification is valid for the following end use applications :

"Self supporting with a void".

b) Description

The product **Isomo Alumo** is a sandwich panel. The core material consists of a homogeneous EPS with a flexible aluminum foil facing glued on both sides having a nominal thickness of 0,04mm.

	Nominal values (*)
Thickness of EPS(mm)	50
Average volumic mass EPS(kg/m ³)	18

(*) based on the information of the sponsor.

2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THE CLASSIFICATION

a) Test reports

Name of the laboratory	Name sponsor	Test report Nr	Test method
Laboratorium voor aanwending van brandstoffen en warmteoverdracht - RUG	ISOMO N.V.	10911A	EN ISO 11925-2 (February 2002) /FSG Recommendation 012/ FSG N244

b) Test results for construction products except floorings

Including the evaluation in conformity with the "annex A"

Test method	Parameter	Number of tests	Results			
			Mean parameter		Criteria for Class E	
			Continuous parameter	Compliance parameter	Continuous parameter	Compliance parameter
EN ISO 11925-2 (1) 15s flame application: <u>surface</u> - front side	$F_s \leq 150\text{mm}$	6	(-)	Yes	(-)	Yes
	No ignition filter paper		(-)	No	(-)	No
<u>edge</u> - frontside/mid point behind surface	$F_s \leq 150\text{mm}$	6	(-)	Yes	(-)	Yes
	No ignition filter paper		(-)	No	(-)	No
- 90° turned core	$F_s \leq 150\text{mm}$	6	(-)	Yes	(-)	Yes
	No ignition filter paper		(-)	No	(-)	No
<u>Bottom edge 10 mm from the inside edge of the specimen holder</u>	$F_s \leq 150\text{mm}$	6	(-)	Yes	(-)	Yes
	No ignition filter paper		(-)	No	(-)	No

(1) These test results are based on the test results obtained in the test report nr 10911A

3. CLASSIFICATION OF THE PRODUCT

a) Reference and direct field of application

This classification has been carried out in accordance with clause 10.3. of EN 13501-1: 2002.

b) Classification

The product **Isomo Alumo** in relation to its reaction to fire behavior is classified as:

Fire behavior	Additional classification
E	-

c) Field of application

This classification applies for the product as described in §1b,

for the following end use conditions :

- With a void
- No fixing

this classification is valid for the following parameter range :

- Nominal Thickness: 50 mm
- Nominal Density: 18 kg/m³

4. DURATION OF THE VALIDITY

At the time the standard EN 13501-1 (February 2002) was published, no decision was made concerning the duration of validity of the classification document.

5. WARNING

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

The following statement is included in accordance with Fire Sector Group Recommendation 001:

“The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive.

The manufacturer has made a declaration, which is held on file. This confirms that the product's design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.”

Report	Name	Signature*	Date
Prepared by	Ing. Frans DUTRIEUE		06 FEB. 2004
Reviewed by	Prof. Dr. Ir. Paul VANDEVELDE		06 FEB. 2004
*For and on behalf of « Laboratorium voor aanwending der brandstoffen en warmteoverdracht –Ugent Ghent – Belgium			

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