

## **Classification report Nr 11385E**

**Translation of the "Classificatieverslag Nr. 11385E"**

### **Owner of the classification report**

ISOMO N.V.  
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### **Introduction**

This classification report defines the classification assigned to the products **ISOMO EPS 60SE 15, ISOMO EPS 100SE 20, ISOMO EPS 80SE, ISOMO EPS 120SE, ISOMO EPS 150SE 25 and ISOMO EPS 200SE 30** 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**

## 1. DETAILS OF CLASSIFIED PRODUCT

### a) Nature and end use application

The products **ISOMO EPS 60SE 15, ISOMO EPS 100SE 20, ISOMO EPS 80SE, ISOMO EPS 120SE, ISOMO EPS 150SE 25 and ISOMO EPS 200SE 30** is defined as a 'thermal insulation product'.

Its classification is valid for the following end use applications :  
"Self supporting with a void".

### b) Description

The products **ISOMO EPS 60SE 15, ISOMO EPS 100SE 20, ISOMO EPS 80SE, ISOMO EPS 120SE, ISOMO EPS 150SE 25 and ISOMO EPS 200SE 30** consists of expanded polystyrene and has a white color. The thicknesses of the products lie between 20 mm and 200 mm.

	Nominal values (*)
<b>ISOMO EPS 60SE 15</b>	
Average volumic mass (kg/m <sup>3</sup> )	15
<b>ISOMO EPS 100SE 20</b>	
Average volumic mass (kg/m <sup>3</sup> )	20
<b>ISOMO EPS 80SE</b>	
Average volumic mass (kg/m <sup>3</sup> )	17,5
<b>ISOMO EPS 120SE</b>	
Average volumic mass (kg/m <sup>3</sup> )	22,5
<b>ISOMO EPS 150SE 25</b>	
Average volumic mass (kg/m <sup>3</sup> )	25
<b>ISOMO EPS 200SE 30</b>	
Average volumic mass (kg/m <sup>3</sup> )	30

(\*) 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		11385A, 11385B, 11385C, 11385D,	EN ISO 11925-2 (February 2002) Recommendation 012/ FSG N244

Dit verslag mag slechts woordelijk en in zijn geheel voor publicitaire doeleinden worden gebruikt. Teksten, bestemd voor publiciteit en waarin dit verslag wordt vermeld dienen voorafgaandelijk aan onze goedkeuring te worden onderworpen.

b) Test results for construction products except floorings

1) **Thickness of 20 mm and a volumic mass of 15 kg/m<sup>3</sup>: Excluding 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		(-)	Yes	(-)	Yes	
	<u>edge</u> - frontside/mid point behind surface	$F_s \leq 150\text{mm}$	6	(-)	Yes	(-)	Yes
		No ignition filter paper		(-)	Yes	(-)	Yes

(1) These test results are based on the test results obtained in the test report nr 11385A

2) **Thickness of 20 mm and a volumic mass of 30 kg/m<sup>3</sup>: Excluding 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		(-)	Yes	(-)	Yes	
	<u>edge</u> - frontside/mid point behind surface	$F_s \leq 150\text{mm}$	6	(-)	Yes	(-)	Yes
		No ignition filter paper		(-)	Yes	(-)	Yes

(2) These test results are based on the test results obtained in the test report nr 11385B

3) Thickness of 200 mm and a volumic mass of 15 kg/m<sup>3</sup>: Excluding 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		(-)	Yes	(-)	Yes
<u>edge</u> - frontside/mid point behind surface	$F_s \leq 150\text{mm}$	6	(-)	Yes	(-)	Yes
	No ignition filter paper		(-)	Yes	(-)	Yes

(3) These test results are based on the test results obtained in the test report nr 11385C

4) Thickness of 200 mm and a volumic mass of 30 kg/m<sup>3</sup>: Excluding 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		(-)	Yes	(-)	Yes
<u>edge</u> - frontside/mid point behind surface	$F_s \leq 150\text{mm}$	6	(-)	Yes	(-)	Yes
	No ignition filter paper		(-)	Yes	(-)	Yes

(4) These test results are based on the test results obtained in the test report nr 11385D

### 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 products **ISOMO EPS 60SE 15, ISOMO EPS 100SE 20, ISOMO EPS 80SE, ISOMO EPS 120SE, ISOMO EPS 150SE 25 and ISOMO EPS 200SE 30** in relation to its reaction to fire behavior is classified as:

Fire behavior	Additional classification
E	-

The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 1 attestation of conformity and CE marking under the Construction Products Directive, as the sampling was carried out by a notified body.

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 :

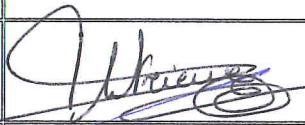
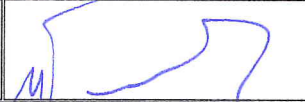
- Nominal Thickness: from 20 mm and all greater thicknesses
- Nominal Densities: between 15 kg/m<sup>3</sup> and 30 kg/m<sup>3</sup>

#### 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.

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

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