

**CLASSIFICATION OF REACTION TO FIRE  
IN ACCORDANCE WITH  
EN 13501-1:2018**

**Sponsor** : İSOLOTTEN İZOLASYON SANAYİ VE TİCARET A.Ş.  
Halilbeyli OSB Mah., Sanayi Cad. 11, Kemalpaşa, İzmir /  
TÜRKİYE

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**Product name** : Isolotten 3005 AV D741 FR15 – 33 kg/m<sup>3</sup>

**Classification** : ERA – 26 – 154  
**Report no.**

**Issue Number** : 1/2

**Date of Issue** : 21.04.2026

This classification report consists of 5 pages and may only be used or reproduced in its entirety.

## 1. INTRODUCTION

This classification report defines the classification assigned to “*Isolotten 3005 AV D741 FR15 – 33 kg/m<sup>3</sup>*” in accordance with the procedures given in EN 13501-1:2018.

## 2. DETAILS OF CLASSIFIED PRODUCT

### 2.1. General:

*Isolotten 3005 AV D741 FR15 – 33 kg/m<sup>3</sup>* is defined as a “type of classified product”.

### 2.2. Description:

*Isolotten 3005 AV D741 FR15 – 33 kg/m<sup>3</sup>* is fully described in the test reports in support of the classification listed in clause 3.1.

Manufacturing plant: İSOLOTTEN İZOLASYON SANAYİ VE TİCARET A.Ş.  
Halilbeyli OSB Mah., Sanayi Cad. 11, Kemalpaşa, İzmir / TÜRKİYE

### Tested product types:

Product name	Thickness (mm)	Density (kg/m <sup>3</sup> )	Colour	Composition
<i>Isolotten 3005 AV D741 FR15 – 33 kg/m<sup>3</sup></i>	5	33	Black	Cross-linked, flexible, and flame-retardant polyethylene (PE) foam.

## 3. REPORTS AND RESULTS IN SUPPORT OF CLASSIFICATION

### 3.1. Reports

Name of laboratory	Name of sponsor	Report ref. no.	Test method and date Field of application rules and date
EFFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.	İSOLOTTEN İZOLASYON SANAYİ VE TİCARET A.Ş.	FTST26683	TS EN 13823:2020+A1:2022
		FTST26684	TS EN ISO 11925-2:2020
		FTST26685	TS EN ISO 11925-2:2020

**3.2. Results**

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Continuous parameter mean
EN 13823+A1	FIGRA <sub>0,2 MJ</sub> (W/s)	3	44,4	(-)
	FIGRA <sub>0,4 MJ</sub> (W/s)	3	13,5	(-)
	LFS < edge	3	Yes	Yes
	THR <sub>600 s</sub> (MJ)	3	1,3	(-)
	SMOGRA (m <sup>2</sup> /s <sup>2</sup> )	3	97,2	(-)
	TSP <sub>600 s</sub> (m <sup>2</sup> )	3	42,1	(-)
	Flaming droplet(s)/particle (s)	3	None	None
EN ISO 11925-2 Flame application: 30 s	F <sub>s</sub> ≤ 150 mm <sup>(1)</sup>	6	Yes	Yes
	Ignition of filter paper <sup>(1)</sup>	6	No	No
	F <sub>s</sub> ≤ 150 mm <sup>(2)</sup>	6	Yes	Yes
	Ignition of filter paper <sup>(2)</sup>	6	No	No
(-): Not applicable				
(1): Surface flame attack				
(2): Edge flame attack				

Test method	Parameter	Classification result	Compliance parameters
EN 13823+A1	FIGRA <sub>0,2 MJ</sub> (W/s)	44,4	≤ 120 <b>(B)</b>
	LFS < edge	Yes	Yes <b>(B)</b>
	THR <sub>600 s</sub> (MJ)	1,3	≤ 7,5 <b>(B)</b>
	SMOGRA (m <sup>2</sup> /s <sup>2</sup> )	97,2	≤ 30 <b>(s1)</b>
	TSP <sub>600 s</sub> (m <sup>2</sup> )	42,1	≤ 50 <b>(s1)</b>
	Flaming droplets/particles (s)	None	None <b>(d0)</b>
EN ISO 11925-2	F <sub>s</sub> ≤ 150 mm	Yes	Yes <b>(B – D)</b>
	Ignition of filter paper	No	No <b>(d0)</b>
(-): Not applicable			

#### 4. CLASSIFICATION AND FIELD OF APPLICATION

##### 4.1. Reference of classification

This classification has been carried out in accordance with the clauses 11.6, 11.9.3, 11.10.1 of EN 13501-1:2018.

##### 4.2. Classification

*Isolotten 3005 AV D741 FR15 – 33 kg/m<sup>3</sup>* in relation to its reaction to fire behaviour is classified:

**B**

The additional classification in relation to smoke production is:

**s2**

The additional classification in relation to flaming droplets / particles is:

**d0**

The format of the reaction to fire classification for *Isolotten 3005 AV D741 FR15 – 33 kg/m<sup>3</sup>* is:

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	2	,	d	0

**Reaction to fire classification: B-s2, d0**

##### 4.3. Field of application

Product name	Thickness (mm)	Density (kg/m <sup>3</sup> )	Colour	Composition
<i>Isolotten 3005 AV D741 FR15 – 33 kg/m<sup>3</sup></i>	5	33	Black	Cross-linked, flexible, and flame-retardant polyethylene (PE) foam.

The classification is valid for the following end use applications;

- The product was installed on a gypsum board substrate with horizontal and vertical joints, without any air gaps, and has a fire reaction class of A2.

## 5. LIMITATIONS

### 5.1. Restrictions

This classification report is valid provided that the technical specifications of product are within the limits in accordance with the field of application clause 4.3.

This classification document does not represent type approval or certification of the product. This report is intially valid until **21<sup>th</sup> of April, 2031** providing that no significant modifications are made in technical specification of the specimen and related test and classification standards.



Signed:

Approved:

*e-signed*

*e-signed*

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Aslı SAKA  
Person in charge of tests

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Ali BAYRAKTAR  
Laboratory manager