

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

Sponsor : AKSİS NONWOVENS TEKSTİL SANAYİ VE TİCARET A.Ş.
Göçerler Mah. Başkomutan Atatürk Cad. No:21,
Saray, Tekirdağ / TÜRKİYE

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Product name : Aksis Acoustic Felt – 6 mm

**Classification
Report no.** : ERA-25-342

Issue Number : 1/2

Date of Issue : 04.11.2025

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 “*Aksis Acoustic Felt – 6 mm*” in accordance with the procedures given in EN 13501-1:2018.

2. DETAILS OF CLASSIFIED PRODUCT

2.1. General:

Aksis Acoustic Felt – 6 mm is defined as a “type of classified product”.

2.2. Description:

Aksis Acoustic Felt – 6 mm is fully described in the test reports in support of the classification listed in clause 3.1.

Manufacturing plant: AKSİS NONWOVENS TEKSTİL SANAYİ VE TİCARET A.Ş.

Göçerler Mah. Başkomutan Atatürk Cad. No:21, Saray, Tekirdağ / TÜRKİYE

Tested product types:

Product name	Thickness (mm)	Mass per unit area (g/m ²)
<i>Aksis Acoustic Felt</i>	6	1400

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.	AKSİS NONWOVENS TEKSTİL SANAYİ VE TİCARET A.Ş.	FTST251659	TS EN 13823:2020+A1:2022
		FTST251660	TS EN 13823:2020+A1:2022
		FTST251661	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 _{0,2 MJ} (W/s)	3	0,0	(-)
	FIGRA _{0,4 MJ} (W/s)	3	0,0	(-)
	LFS < edge	3	Yes	(-)
	THR _{600 s} (MJ)	3	1,5	(-)
	SMOGR (m ² /s ²)	3	0,0	(-)
	TSP _{600 s} (m ²)	3	5,0	(-)
	Flaming droplet(s)/particle(s)	3	0	None
EN ISO 11925-2 Flame application: 30 s	F _s ≤ 150 mm ⁽¹⁾	6	Yes	Yes
	Ignition of filter paper ⁽¹⁾	6	No	No
	F _s ≤ 150 mm ⁽²⁾	6	Yes	Yes
	Ignition of filter paper ⁽²⁾	6	No	No
(-): Not applicable		(1): Edge flame attack (2): Surface flame attack		

Test method	Parameter	Classification result	Compliance parameters
EN 13823+A1	FIGRA _{0,2 MJ} (W/s)	0,0	≤ 120 (B)
	LFS < edge	Yes	Yes (B)
	THR _{600 s} (MJ)	1,5	≤ 7,5 (B)
	SMOGR (m ² /s ²)	0,0	≤ 30 (s1)
	TSP _{600 s} (m ²)	5,0	≤ 50 (s1)
	Flaming droplets/particles (s)	None	None (d0)
EN ISO 11925-2	F _s ≤ 150 mm	Yes	Yes (B – D)
	Ignition of filter paper	No	No (d0)
(-): 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, 11.9.2 and 11.10.1 of EN 13501-1:2018.

4.2. Classification

Aksis Acoustic Felt – 6 mm in relation to their reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

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

d0

The format of the reaction to fire classification for *Aksis Acoustic Felt – 6 mm* is:

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	1	,	d	0

Reaction to fire classification: B-s1, d0

4.3. Field of application

Product name	Thickness (mm)	Mass per unit area (g/m ²)
<i>Aksis Acoustic Felt</i>	6	1400

The classification is valid for the following end use applications;

- Applications where there is no air gap between the backing board and the rear surface of the specimen.
- Since the product is applied to the substrate with horizontal and vertical joints and mechanical fixings, it is valid for arrangements using mechanical fixings.
- Applications made on mineral carriers with fire class A1 or A2 according to TS EN 13501-1

5. LIMITATIONS

5.1. Restrictions

This classification document does not represent type approval or certification of the product. 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 report is initially valid until **4th of November, 2030** providing that no significant modifications are made in technical specification of the specimen and related test and classification standards.



Signed:

Approved:

e-signed

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Aslı SAKA
Person in charge of tests

e-signed

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Ali BAYRAKTAR
Laboratory manager