Forest and Wood Products Research and Development Institute

EN ISO/IEC 17025
T-316

Classification of reaction to fire in accordance with EN 13501-1:2018

Issue number: K101/2026

Date of issue: 31.08.2026.

Sponsor: Søuld ApS.
Address: Hermodsgade 24, st., 2200 København N, Denmark.
Reg. No. 32841562.

Manufacturer and owner of the classification report: Søuld ApS.

Classification done by: Meža un koksnes produktu pētniecības un attīstības institūts SIA *(Forest and Wood Products Research and Development Institute)*, Testing laboratory "Pienavas katlu māja", Pienava, Džūkstes pagasts, Tukuma novads, LV-3147, Latvia *("Pienava heat plant", Pienava, Džūkste parish, Tukums region, LV-3147, Latvia*).

Product name: Søuld Acoustic Fragments.

Laboratory involved in testing is accredited by the Latvian National Accreditation Bureau (LATAK) according to the standard LVS EN ISO/IEC 17025 under the terms of Latvian legislation with reg. No. T-316.

The classification report refers only to these test objects. This classification report may not be reproduced otherwise than in full text, except with the prior written approval of the Forest and Wood Products Research and Development Institute

1. Introduction

This classification report defines the reaction to fire classification assigned to Søuld Acoustic Fragments in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1. General

Søuld Acoustic Fragments is defined as acoustic panels for mounting directly on walls and ceilings. There is no harmonized European technical specification standard available describing this product.

2.2. Product description

- Product name: Søuld Acoustic Fragments.
- Manufacturer: Søuld ApS.
- Materials used for manufacturing:
  - Made of Søuld Acoustic Boards FR with density 200- 300 kg/m^3:
    - eelgrass;
    - binder;
    - fire retardant with consumption of approximately 0.58 kg/m^2;
  - MDF backing with a thickness of 6 mm.
- Nominal thickness tested: 35 mm.

3. Test reports and test results in support of classification

3.1. Specific conditions (*applicable only if performed using facilities outside the testing laboratory)*

3.2. Test reports

Name of laboratory	**Name of sponsor**	**Test reports**	**Test method**
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Søuld ApS	764-1/2026	EN 13823:2020+A1:2022
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Søuld ApS	764-2/2026	EN ISO 11925-2:2020

3.3. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean	Compliance parameters
EN 13823:2020+A1:2022	$FIGRA_{0,2MJ}$(W/s)	3	454	(-)
	$FIGRA_{0,4MJ}$(W/s)		452	(-)
	THR_{600s}(MJ)		15.1	(-)
	LFS < edge of specimen		no	Compliant
	SMOGRA(m^2/s^2)		5	(-)
	TSP_{600s}(m^2)		67	(-)
	Flaming droplets <10s		yes	Compliant
	Flaming droplets >10s		no	Compliant
EN ISO 11925-2:2020 Exposure time 30 s. Test duration 60 s.	Flame spread (Fs) ≤150 mm	18	yes	Compliant
	Ignition of filter paper		no	Compliant
	Flaming droplets/particles		no	Compliant
(-) not applicable				

4. Classification and field of application.

4.1. Reference of classification

This classification has been carried out in accordance with clause 11 of EN 13501-1:2018.

4.2. Classification.

Søuld Acoustic Fragments in relation to its reaction to fire behaviour is classified:

D

The additional classification in relation to smoke production is:

s2

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

d1

The format of the reaction to fire classification for construction product except floorings is:

Fire behaviour		Smoke production			Flaming droplets	
D	-	s	2	,	d	1

Reaction to fire classification: D-s2,d1

4.3. Field of application

4.3.1. Classification valid for following product variations:
Product primary is intended to be used as acoustic panels for mounting directly on walls and ceilings in buildings.

4.3.2. Classification valid for the following product end-use applications:
- valid for product thickness as tested;
- valid only for product composition as tested;
- valid for fire retardant compositions as tested;
- valid without additional coating as tested;
- valid only for application of product on substrates by glueing method (adhesive Turbo Tack 291, manufacturer Dana Lim A/S was used);
- valid for mounting adhesive type as tested;
- valid for product mounting without air gap between product and substrate;
- mounted without an air gap to substrate of any A1 or A2-s1,d0 with a minimum density of 525 kg/m^3 and thickness at least of 12 mm;
- valid for product application with vertical and horizontal closed joints.

5. Limitations.
5.1. No restrictions on the duration of validity of this classification report as long as the product specifications remain unchanged.
5.2. This document does not represent type approval or certification of the product.

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