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

1. Introduction

This classification report defines the classification assigned to AF21AL-48 - Fyld. Alu1,5/Non-Combustible/Alu1.5 - 48mm in accordance with the procedures in EN 13501-1:2018.

Sponsor: O.H. Industri A/S
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Notified Body No: -

Product name: AF21AL-48 - Fyld. Alu1,5/Non-Combustible/Alu1.5 - 48mm

Classification report No: SL/Z-086/EN13501/141a/2019

Date of issue: 25.03.2019

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

2. Details of classified product**2.1. General**

The product AF21AL-48 - Fyld. Alu1,5/Non-Combustible/Alu1.5 - 48mm, is described below or is described in the reports provided in support of classification listed in 3.1.

2.2. Product description

- 1,5 mm Aluminum (EN AW-1050A-GSB approved powder coating of aluminium surface)
 - Insulation (Appr. 260 kg/m³ - heat conductivity: 0,060 W/mK)
 - 1,5 mm Aluminum (EN AW-1050A-GSB approved powder coating of aluminium surface)
 Total thickness: 48 mm
 Weight per unit area: 19,5 kg/m²

3. Reports and results in support of this classification

3.1. Reports

Name of Laboratory	Name of sponsor	Report ref. No.	Test method and date Field of application rules and date
Sychta Laboratorium	O.H. Industri A/S	SL/Z-086/EN13823/140a/2019	EN ISO 13823 EN ISO 1713 25.03.2019

3.2. Results

Test method and test numbed	Parameter	No. Tests ^a	Results	
			Continuous parameter - mean (m)	Compliance with parameters
EN 13823	FIGRA, W·s ⁻¹	3	90	Complaint
	THR _{600s} , MJ		0,9	Complaint
	LFS < edge		(-)	Complaint
	SMOGRA, m ² ·s ⁻²		0	Complaint
	TSP600s, m ²		26	Complaint
	Flaming particles or droplets, time s		(-)	Complaint
EN ISO 1716	Q _{PCS} , MJ/m ²	3	2,8	Complaint
EN ISO 1716	Q _{PCS} , MJ/kg	3	2,6	Complaint
^a Not for extended application				

4. Classification and field of application

4.1. Reference of classification

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

4.2. Classification

The product, AF21AL-48 - Fyld. Alu1,5/Non-Combustible/Alu1.5 - 48mm, in relations to its reaction to fire behaviour is classified:

A2

The additional classification in relations to smoke production is:

s1

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

d0

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation products is:

Fire behaviour		Smoke production			Flaming droplets	
A2	-	s	1	,	d	0

Reaction to fire classification: A2,s1-d0

4.3. Field of application

This classification is valid for the following product parameters:

- total thickness: 48 mm
- weight per unit area: 19,5 kg/m²

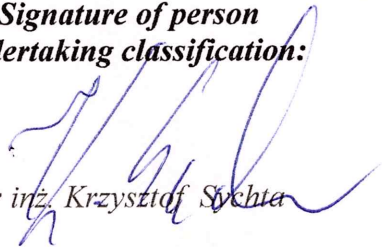
The classification is valid for the following end use applications:

- free standing boards with ventilated or not cavity behind it.

5. Limitations

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

**Signature of person
undertaking classification:**


dr inż. Krzysztof Sychta

**Signature of person
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