

Reaction to Fire Classification Report

Name of client: Lehmbaustoffe Schleusner & Söhne GmbH
Product name: Schleusner Clayboard Light
File no.: PCA11043A **Revision no.:** 0
Date: 2025-03-14
Pages: 5 **Encl.:** 0
Ref: MRD / MPA

Client information

Client: Lehmbaustoffe Schleusner & Söhne GmbH

Address: Elbchaussee 1

39524 Schönhausen

Germany

The results relate only to the items tested. The report should only be reproduced in extenso - in extracts only with a written agreement with this institute.

1. Introduction

This classification report defines the classification assigned to the product “Schleusner Clayboard Light” in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1 General

The product “Schleusner Clayboard Light” is defined as a dry building board for use as interior wall cladding.

2.2 Product description

The product “Schleusner Clayboard Light” is a mix of clay, sand and hemp with a jute fabric on both sides of the board.

Further product specifications are known to DBI - Danish Institute of Fire and Security Technology and are filed under the file number below.

3. Reports and results in support of this classification

3.1 Reports

Name of laboratory	Name of client	Report ref. No	Test method Field of application rules	Date
DBI	Lehmbaustoffe Schleusner & Söhne GmbH	PFA12287A ¹	EN ISO 11925-2:2020	2025-02-26
		PFA12287A ¹	EN13823:2020 + A1:2022	2025-02-26
		PFA12287B ²	EN 13823:2020 + A1:2022	2025-02-26

¹ 14 mm Schleusner Clayboard Light

² 22 mm Schleusner Clayboard Light

3.2 Results

Test methods	Parameter	Number of tests ^a	Results		
			Continuous parameter mean (m)	Compliance with parameters	
PFA12287A EN 13823	FIGRA _{0.2 MJ} (W/s)	3	25	(-)	
	FIGRA _{0.4 MJ} (W/s)	3	23	(-)	
	THR _{600s} (MJ)	3	2.8	(-)	
	SMOGRA (m ² /s ²)	3	3	(-)	
	TSP _{600s} (m ²)	3	25	(-)	
	LFS < edge	3	(-)	Y	
	FDP _{f≤10s}	3	(-)	Y	
	FDP _{f>10s}	3	(-)	Y	
PFA12287B EN 13823	FIGRA _{0.2 MJ} (W/s)	1	16	(-)	
	FIGRA _{0.4 MJ} (W/s)	1	9	(-)	
	THR _{600s} (MJ)	1	1.4	(-)	
	SMOGRA (m ² /s ²)	1	0	(-)	
	TSP _{600s} (m ²)	1	4	(-)	
	LFS < edge	1	(-)	Y	
	FDP _{f≤10s}	1	(-)	Y	
	FDP _{f>10s}	1	(-)	Y	
PFA12287A EN ISO 11925-2	Surface flame attack, 30 s exposure	F _s ≤ 150 mm within 60 s.	6	(-)	Y
		No ignition of filter paper	6	(-)	Y
	Edge flame attack, 30 s exposure	F _s ≤ 150 mm within 60 s.	6	(-)	Y
		No ignition of filter paper	6	(-)	Y
a Not for extended application Y "Compliant" (-) not applicable					

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 11.6, 11.9 and 11.10 of EN 13501-1:2018.

4.2 Classification

The product "Schleusner Clayboard Light" in relation to its 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

Reaction to fire classification:

B-s1,d0

4.3 Field of application

This classification is valid for the following end use conditions:

- As tested with a substrate of Steico Flex 036 with a density of 59 kg/m^3 and a thickness of 80 mm mounted between wooden studs.
- with the product fixed mechanically to the wooden studs.
- With no air gap between product and substrate.
- With horizontal and vertical joints.

This classification is also valid for the following product parameters:

- With density equal to or higher than 610 kg/m^3 .
- With a nominal thickness from 14 – 22 mm.



Mathias Revall Delcomyn
BTechMan & Mar.Eng



Martin Pauner
M.Sc.Civ.Eng

Lehmbaustoffe Schleusner & Söhne GmbH
Elbchaussee 1
39524 Schönhausen
Germany