



Acupanel® Fire Rated Acoustic Wood Wall Panels

Technical Sheet

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Acupanel® Fire Rated Acoustic Wood Wall Panels

We're proud to present our next generation of acoustic, fire-rated panels to the UK! Our Acupanel® Fire Rated range consists of beautifully designed wood strip decorative wall and ceiling panels, certified to b - s1, d0 fire rating. The panels can be easily applied to walls and ceilings, be it for domestic and commercial use. Now available in our Luxe range as well as our standard 15-slat panel, there is a panel option that suits all environments.



Fire rating

Fire-rated to b - s1, d0 according to EN 13501-1:2018. Please see Fire Rating Graphs on [page 8](#).



Care and maintenance

Wipe the panels clean with a dry cloth. A light dusting or vacuuming will also prevent any dust build-up.



Finishes

Real wood veneer finished plywood slats, available in our standard 15-slat panel and Luxe range.



Superior sound absorption

These panels have Class A superior sound absorption. See [page 9](#) for more details. Backing felt material produced from recycled material.



Residential & commercial

Perfect for both residential and commercial environments. The best choice for commercial environments.

Dimensions

All finishes are available on a range of colour backings;
please [contact our sales team](#) for further information.

Product name	Felt Colour	Materials	Panel Dimensions (mm)	Slat width (mm)	SQM per panel	Weight (kg)
Fire Rated						
Acupanel® Fire Rated Oak Wood Wall Panel - Black Felt	■ Black	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated Oak Wood Wall Panel - Grey Felt	■ Grey	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated Oak Wood Wall Panel - White Felt	□ White	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated Walnut Wood Wall Panel - Black Felt	■ Black	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated Walnut Wood Wall Panel - Grey Felt	■ Grey	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated Walnut Wood Wall Panel - White Felt	□ White	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated Smoked Oak Wood Wall Panel - Black Felt	■ Black	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated Smoked Oak Wood Wall Panel - Grey Felt	■ Grey	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated Smoked Oak Wood Wall Panel - White Felt	□ White	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated White Oak Wood Wall Panel - Black Felt	■ Black	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated White Oak Wood Wall Panel - Grey Felt	■ Grey	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated White Oak Wood Wall Panel - White Felt	□ White	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated Grey Oak Wood Wall Panel - Black Felt	■ Black	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated Grey Oak Wood Wall Panel - Grey Felt	■ Grey	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated Grey Oak Wood Wall Panel - White Felt	□ White	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5

Dimensions

All finishes are available on a range of colour backings;
please [contact our sales team](#) for further information.

Product name	Felt Colour	Materials	Panel Dimensions (mm)	Slat width (mm)	SQM per panel	Weight (kg)
Fire Rated Continued						
Acupanel® Fire Rated Pine Wood Wall Panel - Black Felt	■ Black	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.44	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated Pine Wood Wall Panel - Grey Felt	■ Grey	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.44	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated Pine Wood Wall Panel - White Felt	□ White	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	31	1.44	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated Black Oak Wall Panel - Black Felt	■ Black	Wood veneer / Fire-rated plywood	2480(H) x 600(W) x 21(D)	31	1.44	11.9
		/ Black Acoustic PET Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated Black Oak Wall Panel - Grey Felt	■ Grey	Wood veneer / Fire-rated plywood	2480(H) x 600(W) x 21(D)	31	1.44	11.9
		/ Black Acoustic PET Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Acupanel® Fire Rated Black Oak Wall Panel - White Felt	□ White	Wood veneer / Fire-rated plywood	2480(H) x 600(W) x 21(D)	31	1.44	11.9
		/ Black Acoustic PET Felt Backing	3000(H) x 600(W) x 21(D)	31	1.8	14.5
Fire Rated Luxe						
Acupanel® Fire Rated Luxe Oak Wood Wall Panel - Black Felt	■ Black	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Oak Wood Wall Panel - Grey Felt	■ Grey	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Oak Wood Wall Panel - White Felt	□ White	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Walnut Wood Wall Panel - Black Felt	■ Black	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Walnut Wood Wall Panel - Grey Felt	■ Grey	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Walnut Wood Wall Panel - White Felt	□ White	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Smoked Oak Wood Wall Panel - Black Felt	■ Black	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Smoked Oak Wood Wall Panel - Grey Felt	■ Grey	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Smoked Oak Wood Wall Panel - White Felt	□ White	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5

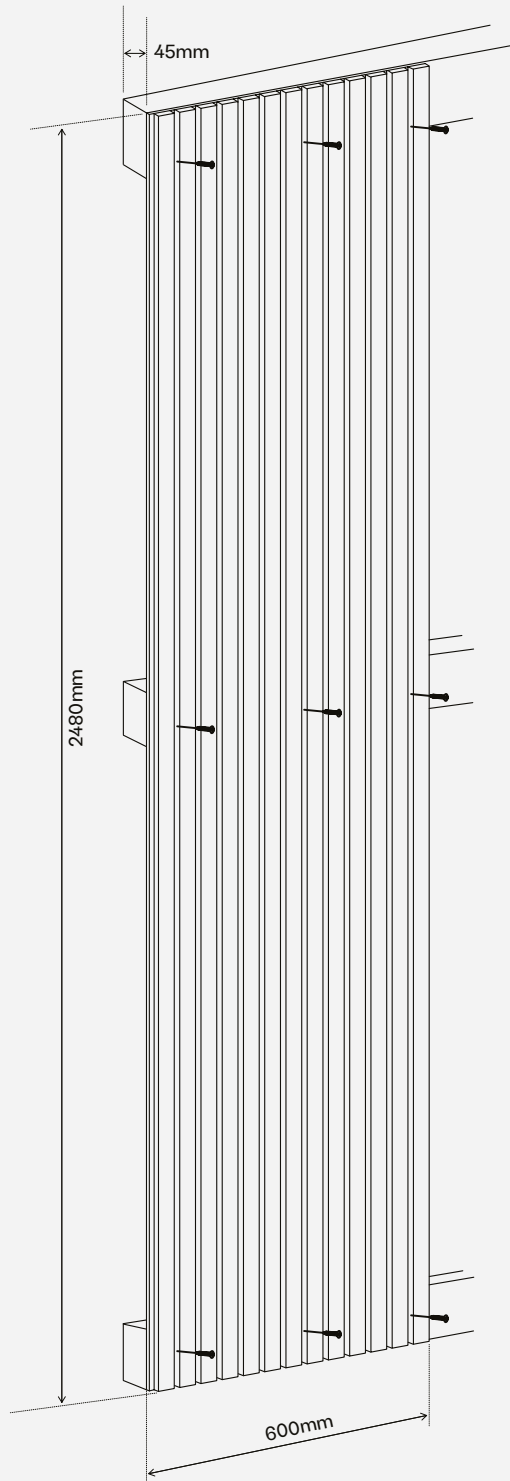
Dimensions

All finishes are available on a range of colour backings;
please [contact our sales team](#) for further information.

Product name	Felt Colour	Materials	Panel Dimensions (mm)	Slat width (mm)	SQM per panel	Weight (kg)
Fire Rated Luxe Continued						
Acupanel® Fire Rated Luxe White Oak Wood Wall Panel - Black Felt	■ Black	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe White Oak Wood Wall Panel - Grey Felt	■ Grey	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe White Oak Wood Wall Panel - White Felt	□ White	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Grey Oak Wood Wall Panel - Black Felt	■ Black	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Grey Oak Wood Wall Panel - Grey Felt	■ Grey	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Grey Oak Wood Wall Panel - White Felt	□ White	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Pine Wood Wall Panel - Black Felt	■ Black	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Pine Wood Wall Panel - Grey Felt	■ Grey	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Pine Wood Wall Panel - White Felt	□ White	Wood Veneer / Fire-Rated	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		Plywood / Acoustic Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Black Oak Wall Panel - Black Felt	■ Black	Wood veneer / Fire-rated plywood	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		/ Black Acoustic PET Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Black Oak Wall Panel - Grey Felt	■ Grey	Wood veneer / Fire-rated plywood	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		/ Black Acoustic PET Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5
Acupanel® Fire Rated Luxe Black Oak Wall Panel - White Felt	□ White	Wood veneer / Fire-rated plywood	2480(H) x 600(W) x 21(D)	40	1.48	11.9
		/ Black Acoustic PET Felt Backing	3000(H) x 600(W) x 21(D)	40	1.8	14.5

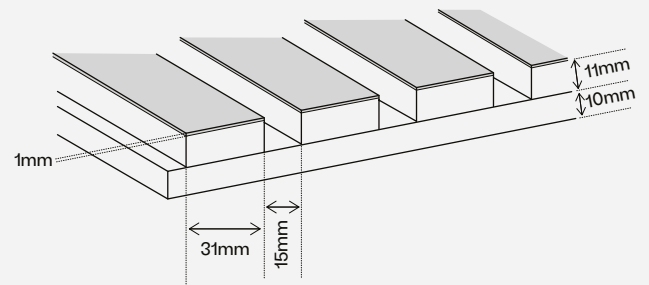
Technical drawings: Fire Rated

Batten mounted



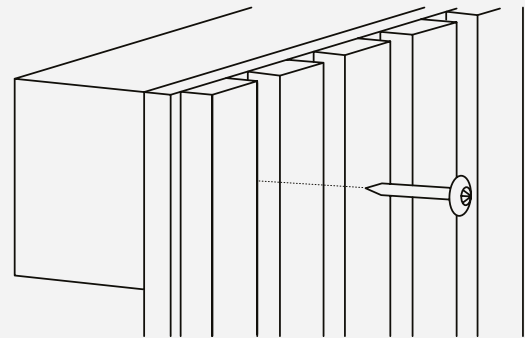
Not to scale

Slat Dimensions



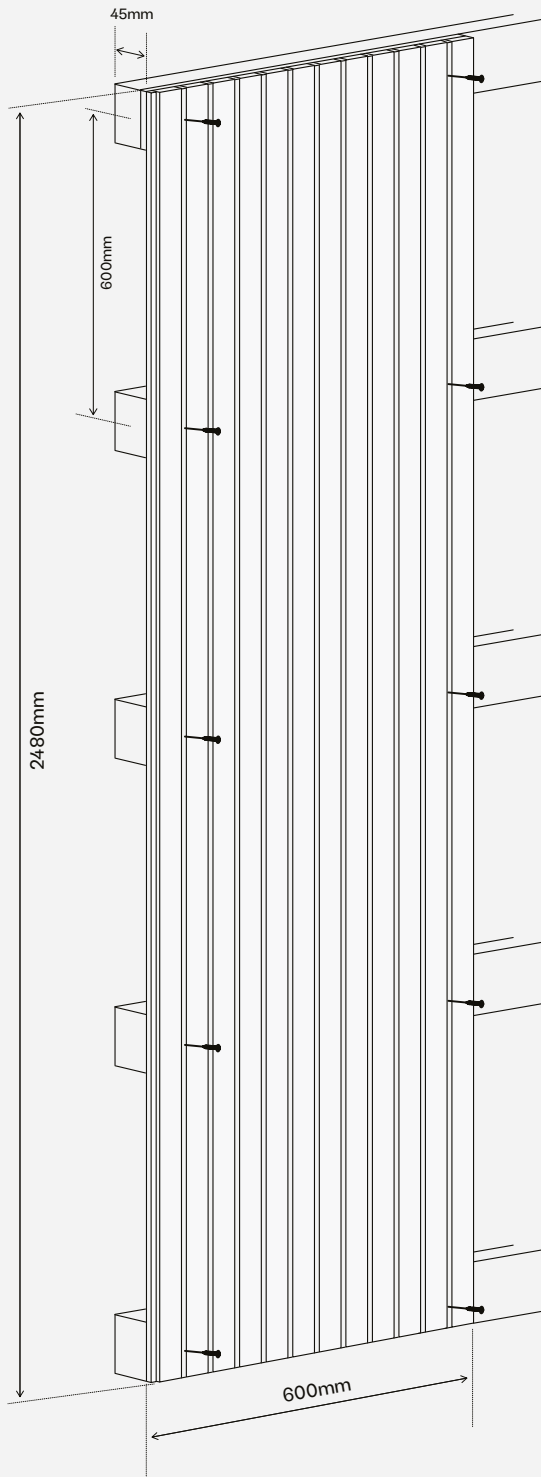
Not to scale

Screw placement

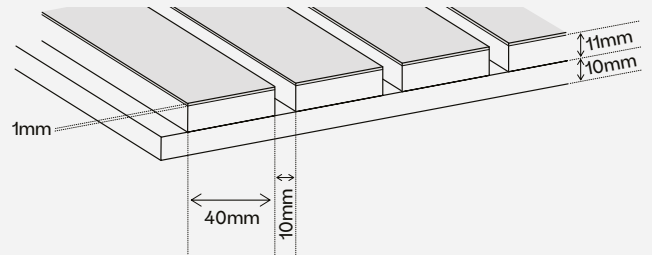


Technical drawings: Fire Rated Luxe

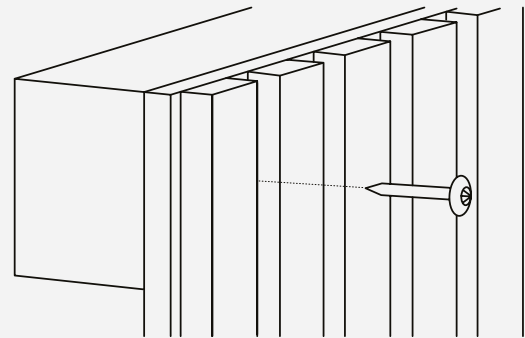
Batten mounted



Slat Dimensions



Screw placement



Fire rating

A completely fire-rated panel for your projects. Acupanel®'s fire rated panel achieves a b - s1, d0 standard, as tested against the European EN13501-1:2018 standard.

Overview

A2/B	Classification class
s1	Smoke production
d0	Flaming droplets/particles

Figure 1: HRR and HRR(30) Graph

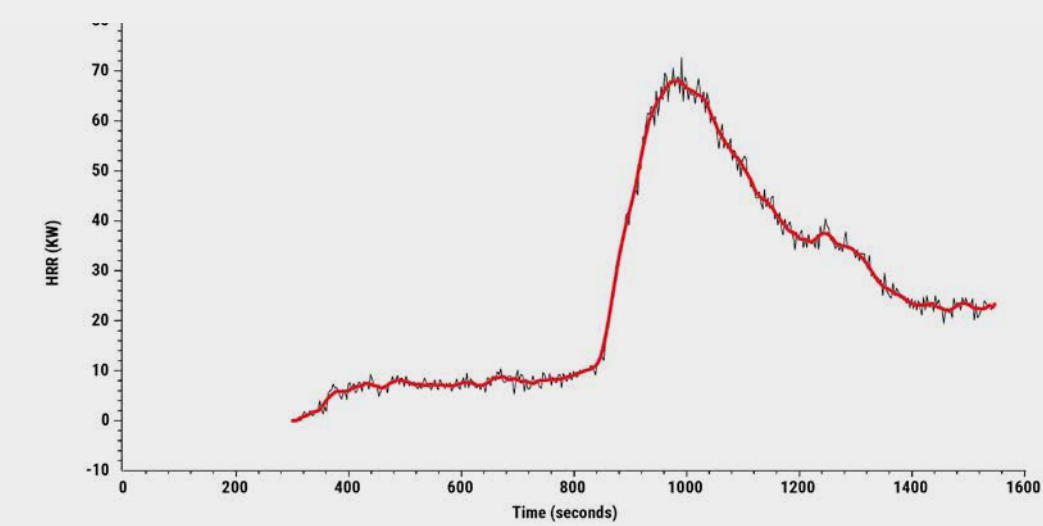
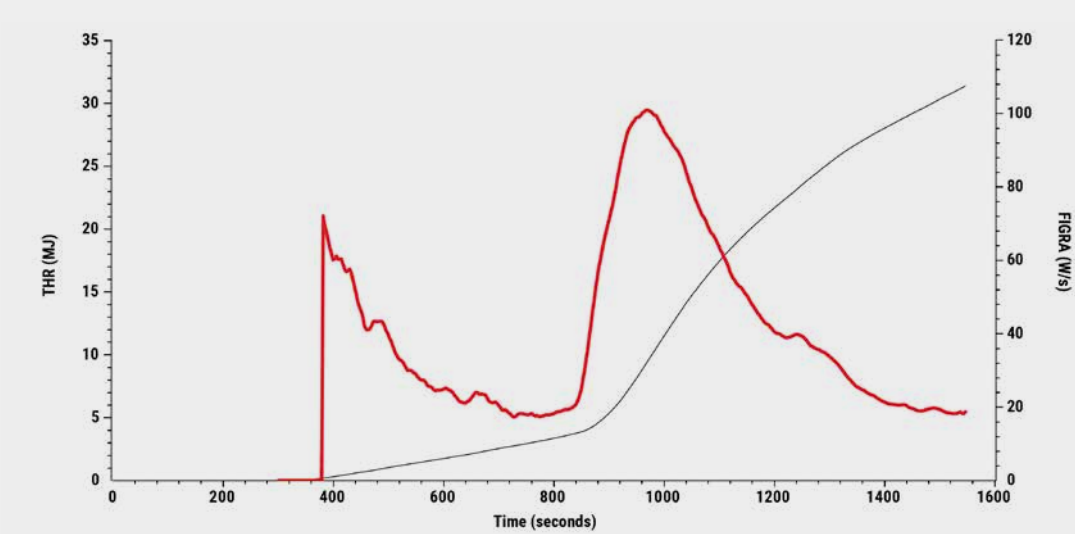


Figure 2: THR and FIGRA Graph



Sound absorption

Figure 1: (Batten Mounted) Sound Absorption:

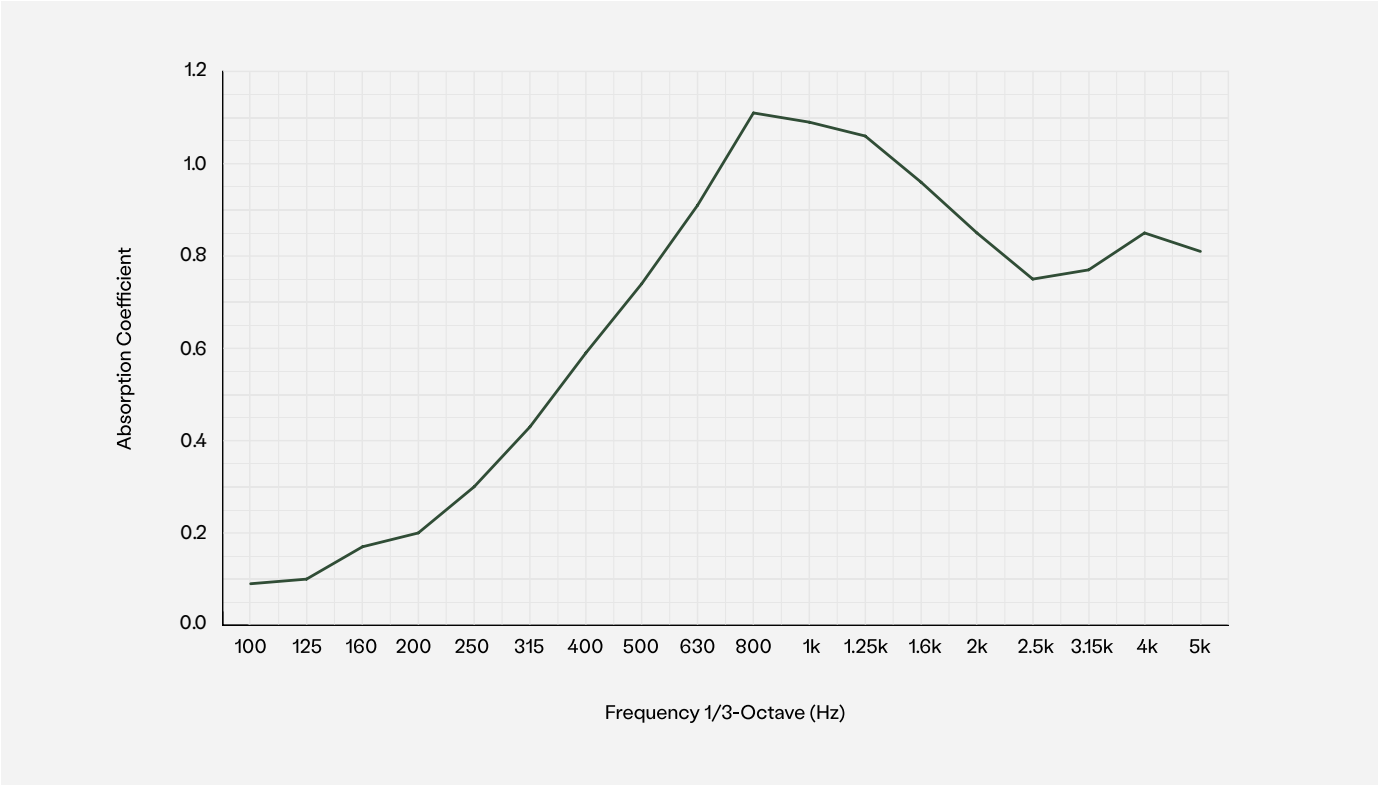
Measurement of sound absorption coefficient acc. DS/EN ISO 354:2003.

Mounting with battens: Spacing 45mm behind panels. Closed frame around edges.

Test Area: 15.84m² Sab - Room volume 215m³ - Room surface area 238m².

If a product like Rockwool sound insulation is installed in-between the batten, behind the panels this will achieve Class A sound absorption.

Freq. Hz	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k
a ^s	0.09	0.10	0.17	0.20	0.30	0.43	0.59	0.74	0.91	1.11	1.09	1.06	0.96	0.85	0.75	0.77	0.85	0.81



Installation instructions

How to cut the Acupanel® Fire Rated Acoustic Wood Wall Panels

For the Acupanel® Fire Rated Acoustic Wood Wall Panels, if you are cutting width ways, we recommend a sharp, fine-tooth saw to cut through the slats and felt cleanly. To cut length ways, a Stanley knife can be used to cut through the felt.

Tools needed



Measuring tape



Fine tooth or sharp saw



Masking tape



Sandpaper



Colour screws



Battens (Optional)



Level



Hand drill

How to install the Acupanel® Fire Rated Acoustic Wood Wall Panels

Disclaimer:

The fire rated panels only achieve the full b - s1, d0 fire rating and class A acoustic rating when installed on a gypsum plasterboard substrate rated A2- s1, d0, with 45mm battens and insulation material. There is to be no air gap. You can also mount the panels on substrates reaction to fire class A2 - s1, d0 or A1, where the minimum density of the substrate is 525kg/meters cubed.

If you are only installing the panels for the fire-rating benefits, there is no need for the 45mm battens or acoustic insulation - you can install straight onto your suitable substrate, as outlined above, with no air gap.

Valid for vertical and horizontal slat installations.

Screwing directly into the wall:

By using black screws for the black backing option or silver or grey screws for the grey-backed option, the panels can be screwed directly into the wall through the acoustic felt.

We recommend a minimum of 9 screws per panel to ensure the panel is secured safely to the wall.

If installing into ceilings then make sure they are screwed into ceiling joists.

Please ensure you are using the relevant fixtures and fittings for the surface you are installing onto

Screwing the panels into 45mm timber battens:

We recommend screwing 45mm timber battens to the wall and then screwing the panels directly into the battens through the acoustic felt to achieve optimum sound absorption. Combined with Rockwool sound insulation behind the panels in between the battens, this will achieve Class A sound absorption.

This is also a fantastic way to hide wires and work around pipework.

For panel dimensions and technical drawings, please see [pages 4-5](#).

Test reports

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Test report for Acupanel® Fire Rated Luxe Wood Wall Panels	Page 14
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Test report for Acupanel® Fire Rated Wood Wall Panels



FOREST AND WOOD PRODUCTS
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Phone +371 63010605 * E-mail meka@e-koks.lv * Web www.e-koks.lv



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

Issue number: K116/2023

Date of issue: 18.12.2023.

Sponsor: Fog & Venø A/S.

Address: Buntmagervej 5, 7490 Aulum, Denmark.
Reg. No. 7670.

Manufacturer and owner of classification report: Fog & Venø A/S.

Prepared by: SIA “Meža un koksnes produktu pētniecības un attīstības institūts” (*Forest and Wood Products Research and Development Institute Ltd*).

Test performed at: SIA “Meža un koksnes produktu pētniecības un attīstības institūts” (*Forest and Wood Products Research and Development Institute Ltd*), “Pienavas katlu māja”, Pienava, Džūkstes pagasts, Tukuma novads, LV-3147, Latvia (“*Pienava heat plant*”, Pienava, Džūkste parish, Tukums region, LV-3147, Latvia).

Product name: Fire retardant felt panel with plywood slats.

Laboratory involved in testing is accredited by the Latvian National Accreditation Bureau (LATJAK) according to the standard LVS EN ISO/IEC 17025 under the terms of Latvian legislation with reg. No. T-316. Laboratory is a notified body with reg. No. NB 2040 under construction product regulation No. 305/2011.

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

VL-87-06



Report No. K116/2023

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1. Introduction

This classification report defines the reaction to fire classification assigned to Fire retardant felt panel with plywood slats in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1. General

Fire retardant felt panel with plywood slats is defined as acoustic and decorative panelling in buildings. Product is not described by harmonised specification standard.

2.2. Product description

- Product name: Fire retardant felt panel with plywood slats.
- Manufacturer: Fog & Venø A/S.
- Materials used for manufacturing:
 - white felt with VA-fire stop, thickness – 9 mm;
 - fire retardant plywood slats with veneer on top, dimension 12 x 31 mm with 15 mm gap between.
- Nominal thickness: 21 mm.

3. Test reports and test results in support of classification

3.1. Specific conditions

Not applicable

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	Fog & Venø A/S	8784-1/2023	EN 13823:2020+A1:2022
SIA „Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Fog & Venø A/S	8784-2/2023	EN ISO 11925-2:2020

VL-87-06



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3.3. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean	Compliance parameters
EN 13823:2020+A1:2022	<i>FIGRA</i> _{0,2MJ} (W/s)	4	106.0	(-)
	<i>FIGRA</i> _{0,4MJ} (W/s)		83.5	(-)
	<i>THR</i> _{600s} (MJ)		4.3	(-)
	<i>LFS</i>		no	Compliant
	<i>SMOGRA</i> (m ² /s ²)		6.6	(-)
	<i>TSP</i> _{600s} (m ²)		35.8	(-)
	Flaming droplets <10s Flaming droplets >10s		(-) (-)	Compliant Compliant
EN ISO 11925-2:2020	Flame spread (Fs)	12	(-)	Compliant
Exposure time 30 s. Test duration 60 s.	Ignition of filter paper		(-)	Compliant
	Flaming droplets/particles		(-)	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

Fire retardant felt panel with plywood slats 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

The format of the reaction to fire classification for construction product excluding floorings and linings is:

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

Reaction to fire classification: B-s1, d0

VL-87-06



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4.3. Field of application

4.3.1 This classification is valid for the following product end use applications:

Product is intended to use as acoustic and decorative panelling in buildings.

4.3.2. This classification is also valid for following product parameters:

- valid for product thickness as tested;
- valid for product composition and geometry as tested;
- valid for product mounting without air gap between product and substrate;
- product performance determined on gypsum plasterboard substrate A2-s1,d0 reaction to fire class and classification is valid for product mounting on substrates reaction to fire class A2-s1,d0 or A1 product with a minimum density of 525 kg/m³;
- Valid for vertical and horizontal plywood slats orientation.

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.

Prepared by

E. Bukšāns

(signature and name)

Reviewed by

K. Būmanis

(signature and name)

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VL-87-06

Test report for Acupanel® Fire Rated Luxe Wood Wall Panels



FOREST AND WOOD PRODUCTS
RESEARCH AND DEVELOPMENT INSTITUTE

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„MEŽA UN KOKSNES PRODUKTU PĒTNIECĪBAS UN ATTĪSTĪBAS INSTITŪTS” SIA
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Classification of reaction to fire in accordance with EN 13501-1:2018

Issue number: K117/2023

Date of issue: 18.12.2023.

Sponsor: Fog & Venø A/S.

Address: Buntmagervej 5, 7490 Aulum, Denmark.
Reg. No. 7670.

Manufacturer and owner of classification report: Fog & Venø A/S.

Prepared by: SIA “Meža un koksnes produktu pētniecības un attīstības institūts” (*Forest and Wood Products Research and Development Institute Ltd*).

Test performed at: SIA “Meža un koksnes produktu pētniecības un attīstības institūts” (*Forest and Wood Products Research and Development Institute Ltd*), “Pienavas katlu māja”, Pienava, Džūkstes pagasts, Tukuma novads, LV-3147, Latvia (“*Pienava heat plant*”, Pienava, Džūkste parish, Tukums region, LV-3147, Latvia).

Product name: Grey ND-felt panel with plywood slats with veneer on top.

Laboratory involved in testing is accredited by the Latvian National Accreditation Bureau (LATJAK) according to the standard LVS EN ISO/IEC 17025 under the terms of Latvian legislation with reg. No. T-316. Laboratory is a notified body with reg. No. NB 2040 under construction product regulation No. 305/2011.

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

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1. Introduction

This classification report defines the reaction to fire classification assigned to Grey ND-felt panel with plywood slats with veneer on top in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1. General

Grey ND-felt panel with plywood slats with veneer on top is defined as acoustic and decorative panelling in buildings. Product is not described by harmonised specification standard.

2.2. Product description

- Product name: Grey ND-felt panel with plywood slats with veneer on top.
- Manufacturer: Fog & Venø A/S.
- Materials used for manufacturing:
 - Grey ND - felt with VA-fire stop, thickness – 9 mm;
 - fire retardant plywood slats with veneer on top, dimension 12 x 40 mm with distance 10 mm between.
- Nominal thickness: 21 mm.

3. Test reports and test results in support of classification

3.1. Specific conditions

Not applicable

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	Fog & Venø A/S	8784-3/2023	EN 13823:2020+A1:2022
SIA „Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Fog & Venø A/S	8784-4/2023	EN ISO 11925-2:2020

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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)	4	92.6	(-)
	FIGRA _{0,4MJ} (W/s)		75.8	(-)
	THR _{600s} (MJ)		4.3	(-)
	LFS		no	Compliant
	SMOGRA(m ² /s ²)		4.0	(-)
	TSP _{600s} (m ²)		36.4	(-)
	Flaming droplets <10s Flaming droplets >10s		(-) (-)	Compliant Compliant
EN ISO 11925-2:2020 Exposure time 30 s. Test duration 60 s.	Flame spread (Fs)	12	(-)	Compliant
	Ignition of filter paper		(-)	Compliant
	Flaming droplets/particles		(-)	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

Grey ND-felt panel with plywood slats with veneer on top 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

The format of the reaction to fire classification for construction product excluding floorings and linings is:

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

Reaction to fire classification: B-s1, d0

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4.3. Field of application

4.3.1 This classification is valid for the following product end use applications:

Product is intended to use as acoustic and decorative panelling in buildings.

4.3.2. This classification is also valid for following product parameters:

- valid for product thickness as tested;
- valid for product composition and geometry as tested;
- valid for product mounting without air gap between product and substrate;
- product performance determined on gypsum plasterboard substrate A2-s1,d0 reaction to fire class and classification is valid for product mounting on substrates reaction to fire class A2-s1,d0 or A1 product with a minimum density of 525 kg/m³;
- Valid for vertical and horizontal plywood slats orientation.

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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