

### PRODUCT INFORMATION

Trade Name	Søuld Acoustic Mats FR
Supplier	Søuld ApS
Product Type	Acoustic absorbent; Flame retardant
Application	Interior wall or ceiling claddings
Mounting	Adhesive or screws

### COMPOSITION OF INGREDIENTS

Ingredients	Share [%]	Function	Supplier	Origin
Eelgrass	75	Matrix	Farmers	Denmark
Flame retardant	15	Fire protection	Burnblock	Denmark
Bi-component fibre	10	Binder	Fibervision	Denmark

### CE MARKING AND ETA

EXPECTED IN Q2 2022

European standard	EAD 040005-00-1201	Factory-made thermal and/or acoustic insulation products made of vegetable or animal fibers
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### DIMENSIONS AND DENSITY

EN 822, EN 823, EN ISO 29470

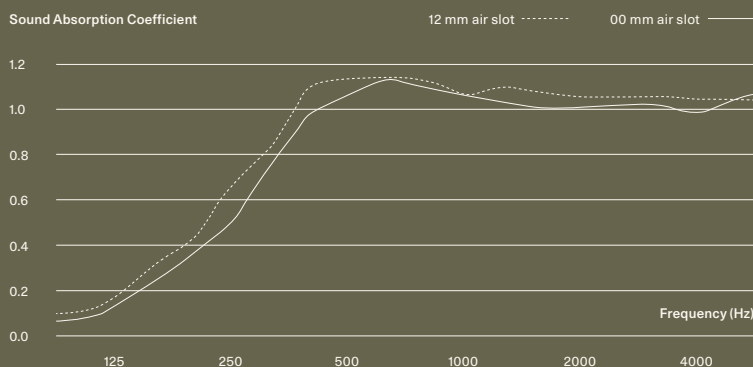
Parameter	Thickness [mm]	Length [mm]	Width [mm]	Density [kg/ m <sup>3</sup> ]
Standard size	35	1100	600	133
Custom size	35	≤ 1100	≤ 3000	133
Tolerances	-3/+8 %	± 2,0 %	± 1,5 %	± 4,5 %

Søuld Acoustic Mats FR are made using a natural material. Therefore, minor variations in the mats moisture content and dimensions may occur. Depending on the relative air humidity and temperature, the material expands and contracts continuously. Minor variations should be accepted as the Acoustic Mats respond to changing indoor conditions throughout the seasons. It is important to follow Søuld's instructions for product installation, storage and acclimatisation to achieve optimal results.

### ACOUSTIC PERFORMANCE

DS/EN ISO 354, DS/EN ISO 11654

Installation Method	aw	aw	NRC	SAA	Class
Direct Mounted on Concrete Wall	Acoustic Mat 35 mm. 00 mm air slot	0,85	0,90	0,88	B(MH)
Air slot between Concrete Wall and Acoustic Mat	Acoustic Mat 35 mm. 12 mm air slot	0,95	0,90	0,93	A



### REACTION TO FIRE

EN 13501-1

Installation Method	Standard	Class
Screwed/glued to the substrate	Euroclass	C-s1,d1

### DANISH INDOOR CLIMATE LABEL

EXPECTED IN Q1 2022

Parameter	Unit	Time	Result	DICL criteria	Evaluation
TVOC	[mg/m <sup>3</sup> ]	28 days	0.140	≤ 1.0	Pass
Formaldehyde	[µg/m <sup>3</sup> ]	28 days	< 0.005	≤ 1.0	Pass
CMR compounds	[mg/m <sup>3</sup> ]	28 days	< 0.001	< 0.001	Pass
Odour acceptability	n.a.	29 days	-	-	-
Particle emission	[mg/m <sup>2</sup> ]	adv. of 3 & 15 hours	0.28	≤ 0.75	Low

### CRADLE TO CRADLE

VERSION 3.1

Cradle to Cradle Certified®	Gold level
Material Health Certificate™	Platinum level

### EPD (ENVIRONMENTAL PRODUCT DECLARATION)

ISO 14025/EN 15804

Parameter	Unit	A1: Raw material	A2: Transport	A3: Manufacturing	A1-A3: Sum
GWP - Total	[kg CO <sub>2</sub> -eq/m <sup>2</sup> ]	-2,7	0,2	0,7	-1,8
GWP - Fossil	[kg CO <sub>2</sub> -eq/m <sup>2</sup> ]	1,9	0,1	0,7	2,7
GWP - Biogenic	[kg CO <sub>2</sub> -eq/m <sup>2</sup> ]	-4,6	0,0	0,1	-4,5
GWP - Luluc	[kg CO <sub>2</sub> -eq/m <sup>2</sup> ]	0,0	0,0	0,0	0,0

### PRODUCTION & RECYCLABILITY

Production location	Thisted, Denmark
Waste in production	-
Recyclability	-

### APPEARANCE AND ODOUR

Odour	Subtle wind and sea
Odour	Subtle wind and sea

Søuld Acoustic Mats FR are made from a natural material with no additional dyes. Therefore, slight colour and structure variations may occur. If consistent colour and structure matching is required for the installation, please use products from the same pallet or the same production batch. All mats will be delivered untreated - without a sealing. That's to keep the natural characteristics of the eelgrass regarding scent, haptics and optics alive. The ageing of the surfaces through UV-light is a natural process. Please note that newly manufactured and freshly cut Acoustic Mats will impart a subtle, natural scent of the sea which decreases over time.

### PRODUCT INFORMATION

Trade Name	Søuld Acoustic Mats
Supplier	Søuld ApS
Product Type	Acoustic absorbent: Non-flame retardant
Application	Interior acoustic panels
Mounting	Adhesive, screws or mechanical fixtures

### COMPOSITION OF INGREDIENTS

Ingredients	Share [%]	Function	Supplier	Origin
Eelgrass	88	Matrix	Farmers	Denmark
Bi-component fibre	12	Binder	Fibervision	Denmark

### DIMENSIONS AND DENSITY

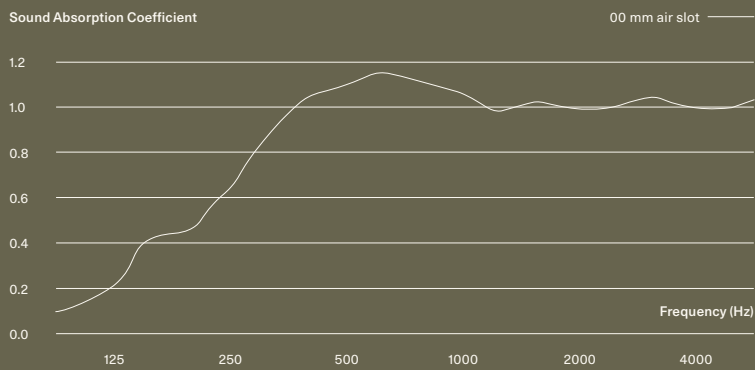
Parameter	Thickness [mm]	Length [mm]	Width [mm]	Density [kg/ m <sup>3</sup> ]
Standard size	40	1100	600	120
Custom size	40	≤ 1100	≤ 3000	120
Tolerances	-3/+8 %	± 2,0 %	± 1,5 %	± 4,5 %

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### ACOUSTIC PERFORMANCE

DS/EN ISO 354, DS/EN ISO 11654

Installation Method	aw	aw	NRC	SAA	Class
Direct Mounted on Concrete Wall	Acoustic Mat 40 mm. 00 mm air slot	0,95	0,90	0,92	A



### REACTION TO FIRE

Installation Method	Standard	Class
No reaction to fire performances are determined.		

### DANISH INDOOR CLIMATE LABEL

EXPECTED IN Q1 2022

Parameter	Unit	Time	Result	DICL criteria	Evaluation
TVOC	[mg/m <sup>3</sup> ]	28 days	0.140	≤ 1.0	Pass
Formaldehyde	[µg/m <sup>3</sup> ]	28 days	< 0.005	≤ 1.0	Pass
CMR compounds	[mg/m <sup>3</sup> ]	28 days	< 0.001	< 0.001	Pass
Odour acceptability	n.a.	29 days	-	-	-
Particle emission	[mg/m <sup>2</sup> ]	adv. of 3 & 15 hours	0.28	≤ 0.75	Low

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GWP - Total	[kg CO <sub>2</sub> -eq/m <sup>2</sup> ]	-4,2	0,1	0,5	-3,6
GWP - Fossil	[kg CO <sub>2</sub> -eq/m <sup>2</sup> ]	1,5	0,1	0,4	2,0
GWP - Biogenic	[kg CO <sub>2</sub> -eq/m <sup>2</sup> ]	-5,7	0,0	0,1	-5,6
GWP - Luluc	[kg CO <sub>2</sub> -eq/m <sup>2</sup> ]	0.0	0.0	0.0	0.0

### PRODUCTION & RECYCLABILITY

Production location	Thisted, Denmark
Waste in production	-
Recyclability	100% recyclable

### APPEARANCE AND ODOUR

Odour	Subtle wind and sea
Odour	Muted greens/warm browns

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