



## Datasheet: Interior panels.

Developed for residential, commercial and public buildings, inside:

### Applications:

- Music rooms, concert hall, theater, hotels, restaurant, museums.
- Offices buildings, shopping center, schools, fitness center/dressing rooms.
- Home office, kitchens, bedroom, living room.

INEX Solution ceiling panels fit to many different ceiling systems like T24 and T35. Etc.

## Product: Textile ceiling/wall panels.

### Sustainability in Focus

The *Textile* ceiling panels are made with 50% textile waste, offering a groundbreaking solution for both the construction and textile industries. From 2025 onwards, clothing manufacturers will no longer be allowed to dispose of surplus textiles through destructive methods like incineration or landfill. *Textile ceiling panels* provides a sustainable path forward for both industries:

- **Recycling textile waste** – Reduces waste and gives new life to materials.
- **Lower carbon footprint** – The textile industry is known for its high resource consumption; for instance, it takes 1,400 liters of water to produce just one T-shirt.
- **Tackling key polluters** – The construction and textile industries rank #1 and #4 in the EU for environmental impact.
- **Significant textile waste** – Each year, retailers and manufacturers in Denmark alone send approximately 677 tons of new clothing to incineration.
- **Green transition** – A tangible contribution to reducing the environmental impact of construction.

**InEx Solution Aps.**  
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By integrating recycled materials into product design, *Textile ceiling panels* helps minimize the use of new resources and supports sustainable building certifications such as **DGNB**, **BREEAM**, and **LEED**.

### **Textile ceiling/wall panels:**

Textile Ceiling Panels deliver sustainability and acoustic performance, crafted from 50% recycled textile waste and fire-retardant materials, ideal for modern, eco-friendly interiors.

#### **Measure:**

<b>9mm.</b>	<b>20mm.</b>	<b>30mm.</b>	<b>M2</b>
9x595x595mm.	20x595x595mm.	30x595x595mm.	=0,35m2
9x595x1195mm.	20x595x1195mm.	30x595x1195mm.	=0,72m2
9x595x2400mm.	20x595x2400mm.	30x595x2400mm.	=1,44m2

#### **Thickness/ Weight:**

- 9mm. 1800g/m2
- 20mm. 3000g/m2
- 30mm. 3500g/m2

#### **Tolerance:**

- Perpendicularity +/- 2mm
- Thickness +/- 1mm
- weight +/- 10%

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**Environment & Sustainability:**

- Fully recyclable textile-felt

**Plate edge:**

- Right-angled plate edge on all four sides. For ceiling rail systems or directly on the ceiling & wall.
- 3mm bevel on all four sides. For mounting on the ceiling and wall.

**Farver:**

- Gray with subtle color

**Reaction to fire:**

According to EN 13501/ 13823-1

- Minimum. Fire class C.

**Cleaning:**

- May be cleaned using a soft brush, by vacuum cleaning or by wiping with a damp cloth or sponge.

**Humidity:**

- Textile felt cannot absorb moisture and will not change shape or strength when exposed to water or heat up to 65 degrees. For a limited time, it can withstand 70 degrees heat.



## Sound test:

### Mounted directly on the wall & ceiling

	Frekvens = (Hz): Practical absorption coefficient							Specifikationer		
		125	250	500	1000	2000	4000	aw.	NRC.	Absorption
9mm.		0.15	0.25	0.40	0.55	0.70	0.80	0.45	0.35	E
20mm.		0.30	0.45	0.65	0.80	0.90	0.95	0.70	0.60	D
30mm.		0.40	0.55	0.80	0.95	1.00	1.00	0.80	0.75	B

### Mounted with 45mm. Mineral wool On the back side

	Frekvens = (Hz): Practical absorption coefficient							Specifikationer		
		125	250	500	1000	2000	4000	aw.	NRC.	Absorption
9mm.		0.50	0.70	0.90	1.00	1.00	1.00	0.85	0.65	B
20mm.		0.60	0.80	0.95	1.00	1.00	1.00	0.90	0.85	A
30mm.		0.75	0.90	1.00	1.00	1.00	1.00	0.95	1.00	A

**Mounted in a ceiling system like T24 & T35  
with 300mm. Air on the back side**

9mm.

20mm.

30mm.

**Frekvens = (Hz):**  
**Practical absorption**  
**coefficient**  
**Practical absorption**  
**coefficient**  
**Practical absorption**  
**coefficient**

Specifikationer								
125	250	500	1000	2000	4000	aw.	NRC.	Absorption
0.40	0.65	0.85	0.90	0.95	1.00	0.85	0.85	B
0.55	0.75	0.95	1.00	1.00	1.00	0.95	0.95	A
0.65	0.85	1.00	1.00	1.00	1.00	1.00	1.00	A

9mm. solid color PET-felt ceiling panels



Loftplade 595 x 595 x  
9.pdf



Loftplade 595 x 1195  
x 9.pdf



Indendørs Filt 595 x  
2400 x 9mm.pdf

## 20mm. Solid color PET-felt ceiling panels



Loftplade 595 x 595 x  
20.pdf



Loftplade 595 x 1195  
x 20.pdf

## 30mm. Solid color PET-felt ceiling panels



Loftplade 595 x 595 x  
30.pdf



Loftplade 595 x 1195  
x 30.pdf

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