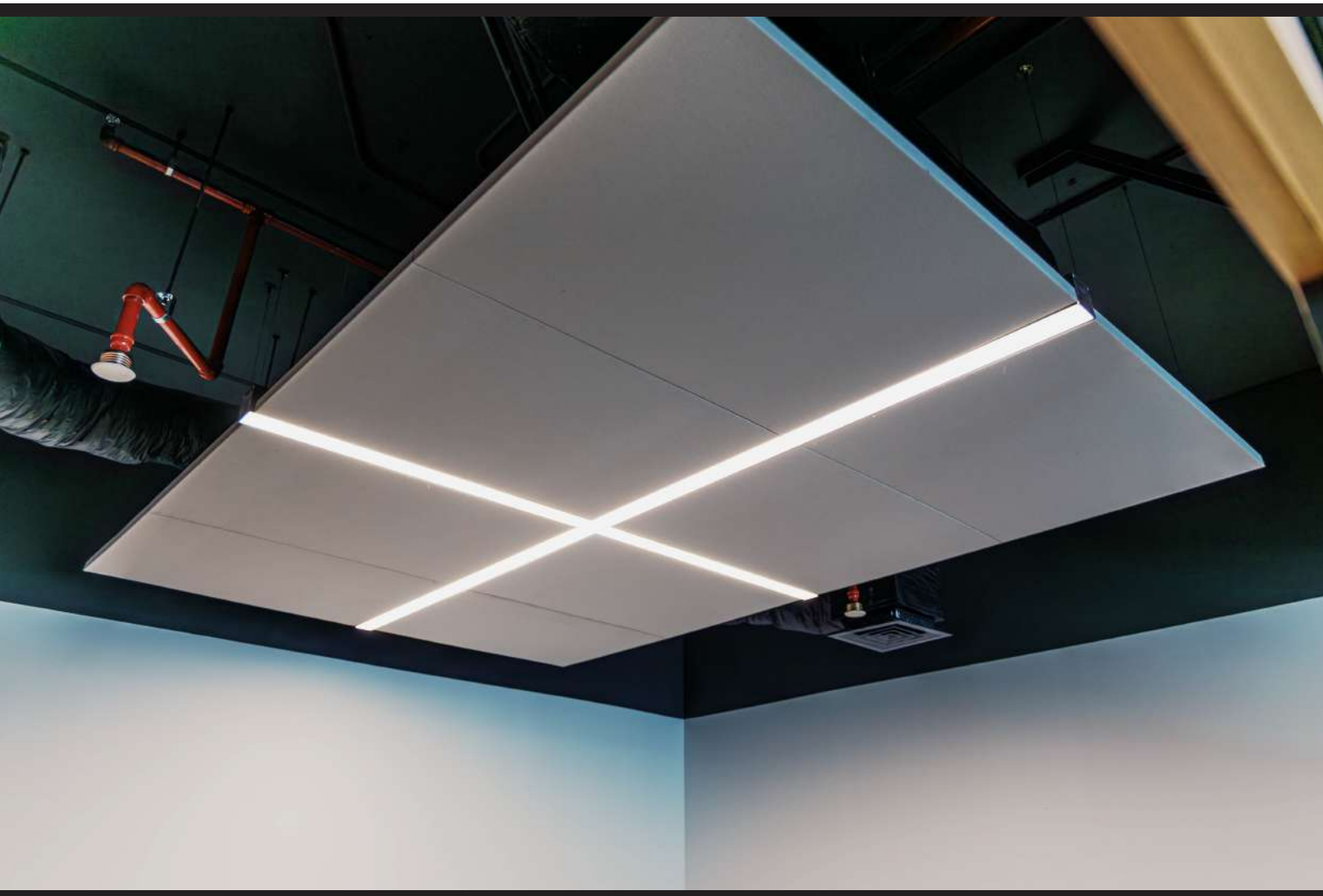


| Polycloud |



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NOISE
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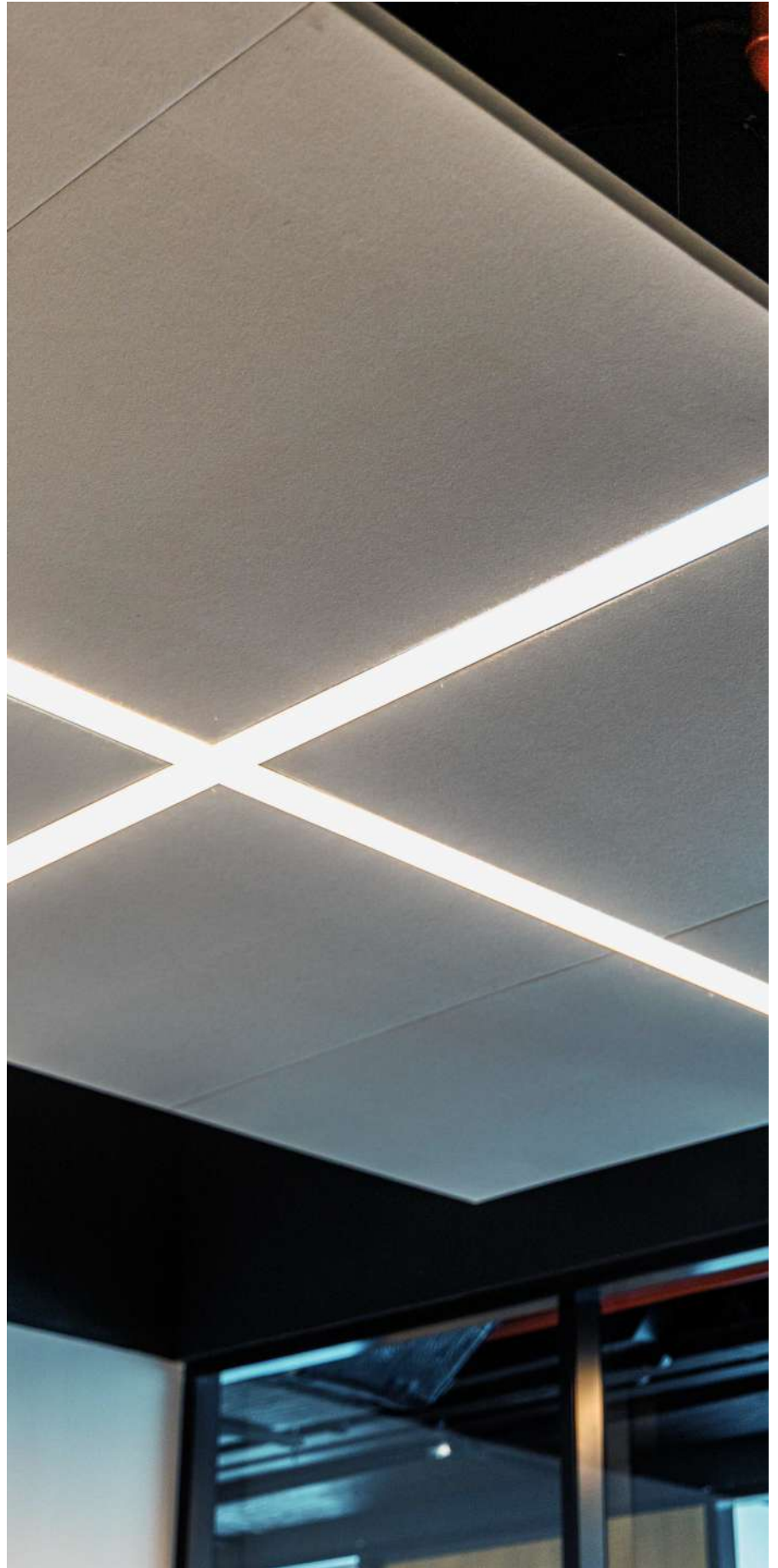
POLYCLOUD is a solid suspended acoustic system designed for ceiling installation. The system consists of recycled polyester fiber acoustic elements supported by a steel structural frame, providing high sound absorption performance while enhancing the visual quality of interior spaces.

It is suitable for a wide range of environments, including private, commercial, and specialized spaces where acoustic comfort and architectural aesthetics are required.

Installation is achieved through suspension from the ceiling using adjustable steel wire ropes, allowing flexible height positioning and easy integration within different architectural layouts.

The system can function as a floating acoustic ceiling solution, enabling the integration or coordination of building services such as HVAC units, lighting fixtures, fire sprinkler systems, speakers, and other technical installations either above, below, or in between the acoustic elements.

POLYCLOUD offers a visually distinctive ceiling design while delivering effective acoustic performance through a cost-efficient and sustainable solution.



TECHNICAL SPECIFICATIONS



INSTALLATION

Installation can be carried out by suspension from the ceiling using wire rope.



SUSTAINABILITY

PET panels manufactured from **100% polyester fibre**, containing **a minimum of 75% post-consumer recycled PET** sourced from recycled plastic bottles. Galvanised steel components are **durable and recyclable**, contributing to long service life and reduced environmental impact. The protective **zinc coating** extends the material's lifespan and supports sustainable use.



NON TOXIC

Tested according to **BS EN 717-1 (E0)** for formaldehyde emissions. The PET panels contain **no chemical binders or formaldehyde**, supporting **safer indoor air quality**. Galvanised steel is a stable material that **does not release harmful substances** under normal indoor conditions, supporting safe indoor environments..



FLAME RETARDANT

PET panels rated **Class B-s1, d0** according to **EN 13501-1**, offering **high fire safety performance** for walls and ceilings. Galvanised steel is a **non-combustible material**, providing reliable fire resistance for use in wall and ceiling systems.



MAINTENANCE

PET Panels can be cleaned easily using a **dust broom, vacuum cleaner, or a damp cloth**. Galvanised steel surfaces require **minimal maintenance** and can be cleaned with a soft cloth and mild cleaning agents to preserve their protective coating and appearance.



AVAILABLE SIZES

PANEL SIZE

100cm x 74cm x 3cm (L x W x H)

PET THICKNESS

12mm

HANGED METHOD

Suspension using a galvanised steel hook and steel wire rope.

HANGED HEIGHT

Flexible and height-adjustable.

GEOMETRIC CONFIGURATION

Two rectangular panels positioned side by side for optimal balance and visual symmetry.

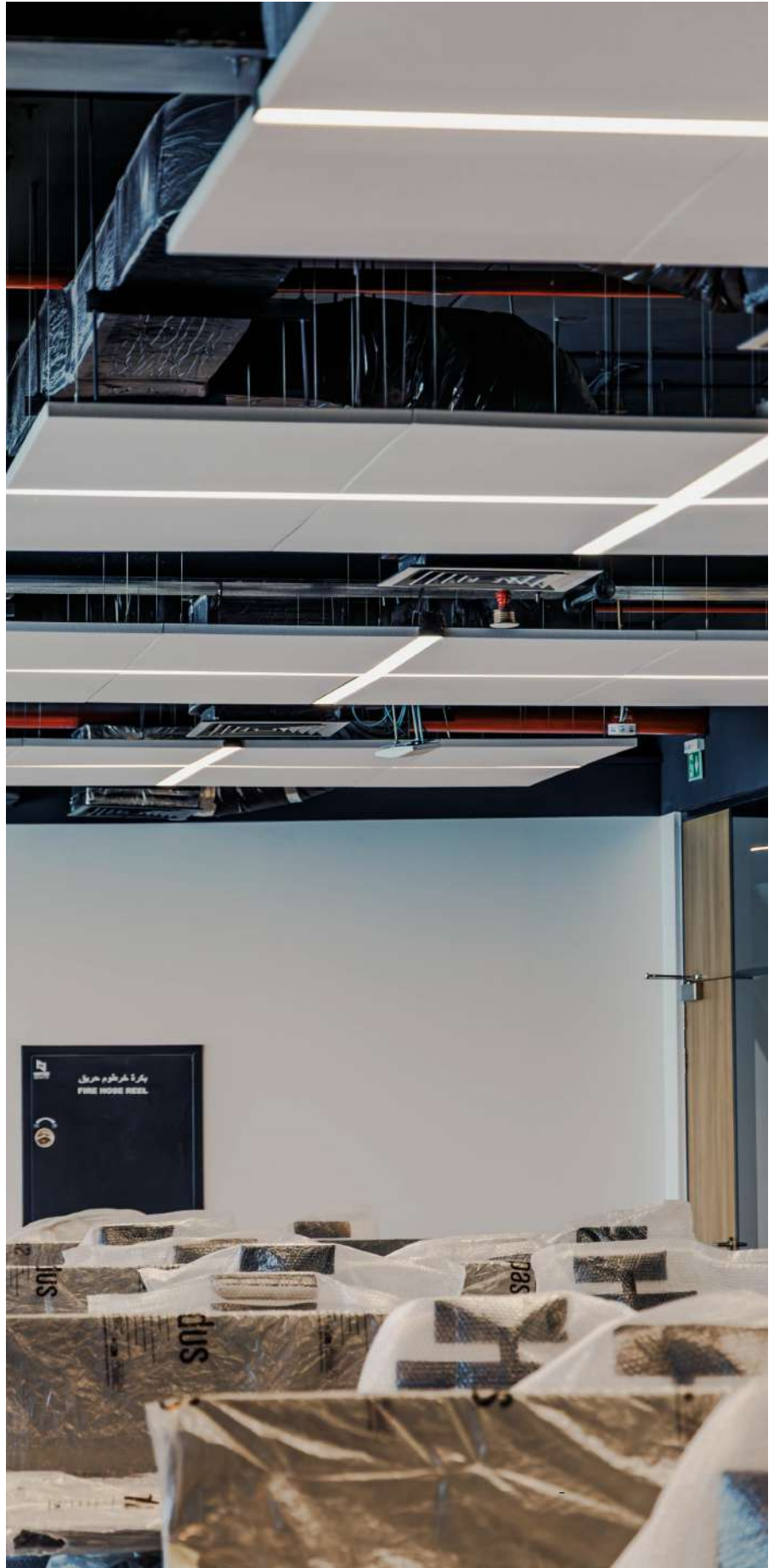
MATERIALS AND COLORS

MATERIALS

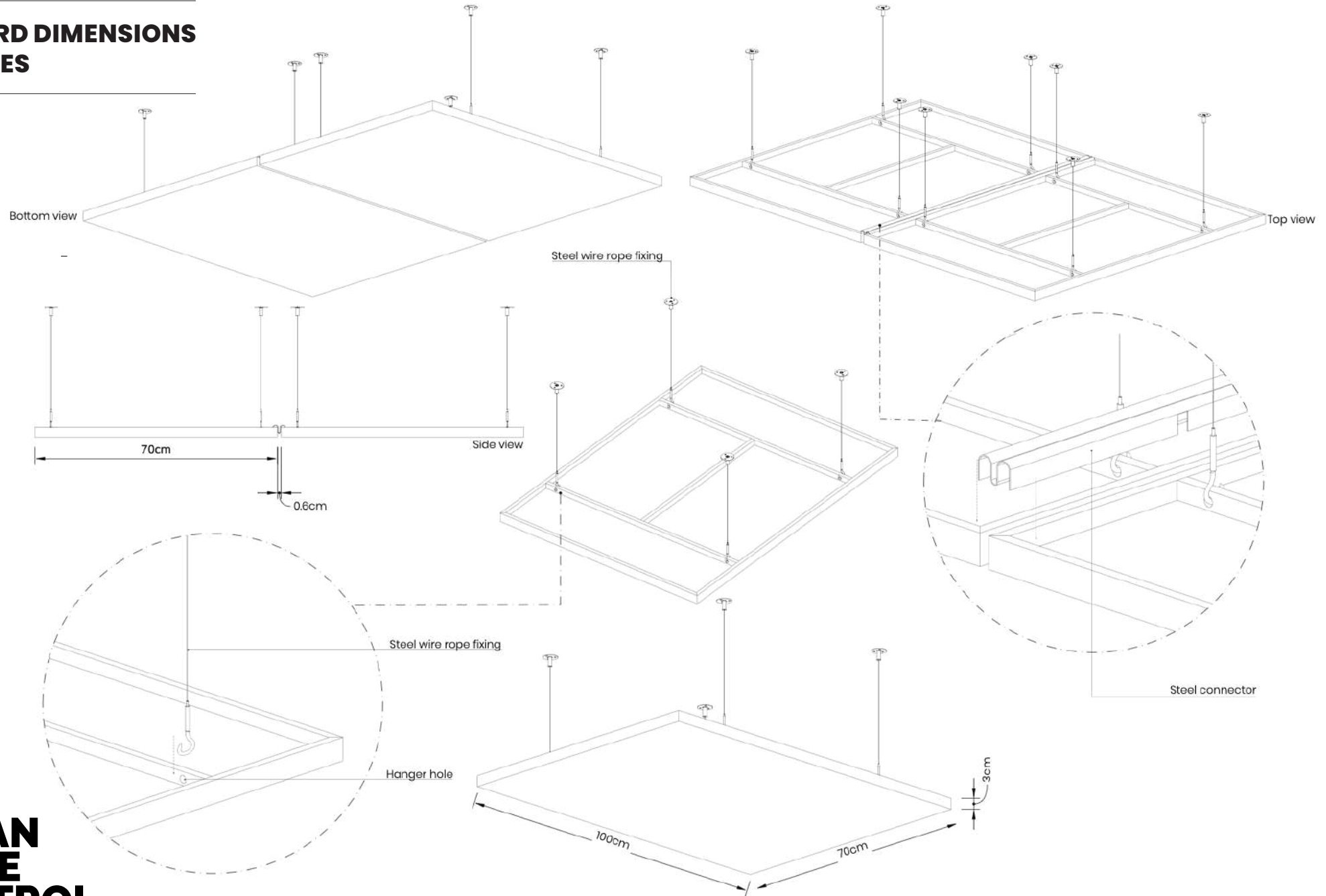
Polyester Fiber: 100% made from recycled PET

COLORS

As per client and project needs.



STANDARD DIMENSIONS AND TYPES

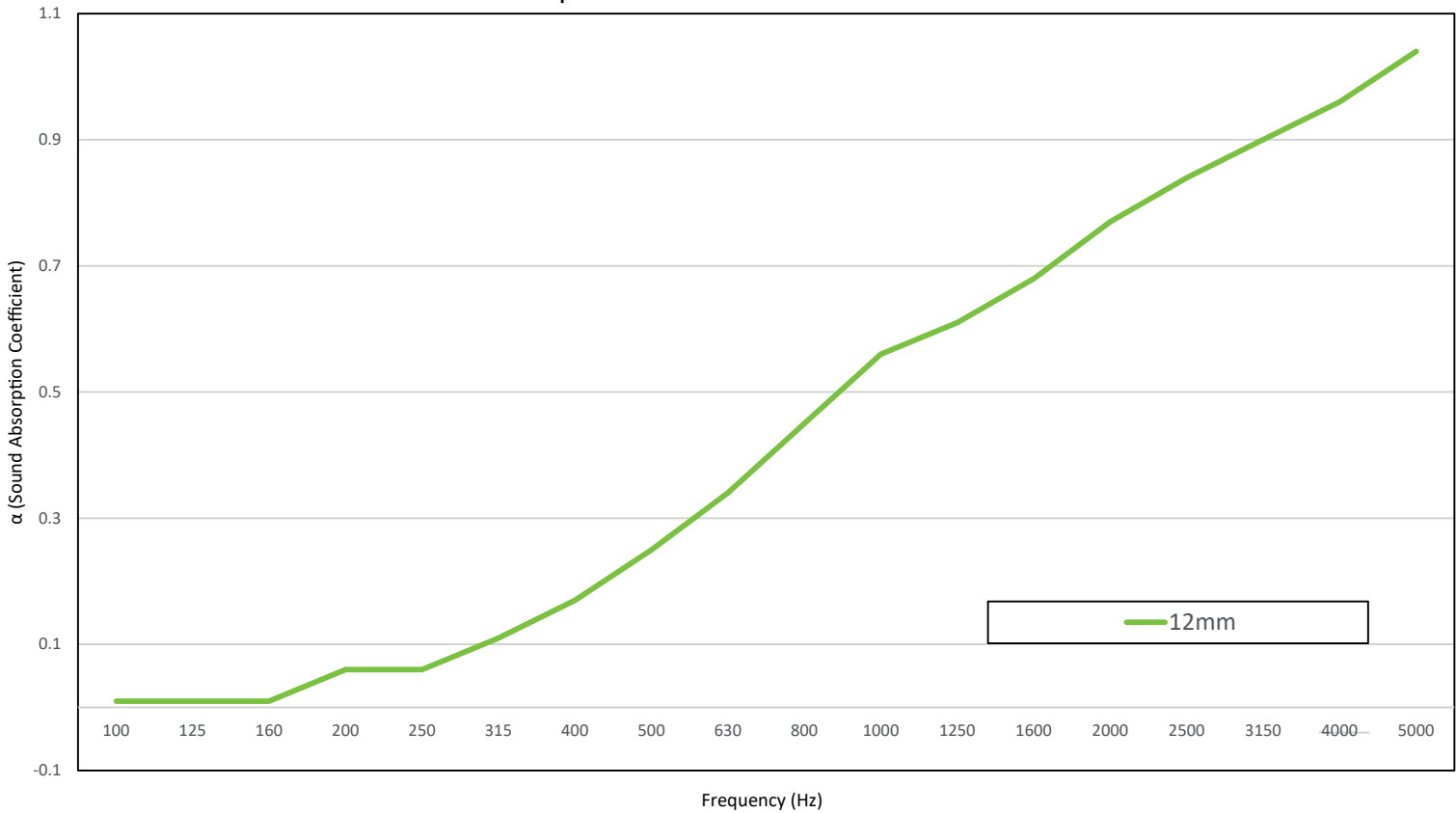


SOUND ABSORPTION

PET Material 12mm

Sound class D ($\alpha_w=0.30$) [according to ISO 354:2003 & ISO 11654:1997]

Absorption coefficient measurements



Frequency (Hz)	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
α_w as 12mm	0.01	0.01	0.01	0.06	0.06	0.11	0.17	0.25	0.34	0.45	0.56	0.61	0.68	0.77	0.84	0.9	0.96	1.04
	0.01			0.08			0.25			0.54			0.76			0.97		

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