

| Engrave Panels |



IWMI
URBAN
NOISE
CONTROL

POLYSOUND acoustic panels are manufactured from recycled PET, offering an environmentally responsible solution for improving acoustic comfort. Designed for installation on both ceilings and walls, the panels provide **high levels of sound absorption** while enhancing the visual character of any interior space.

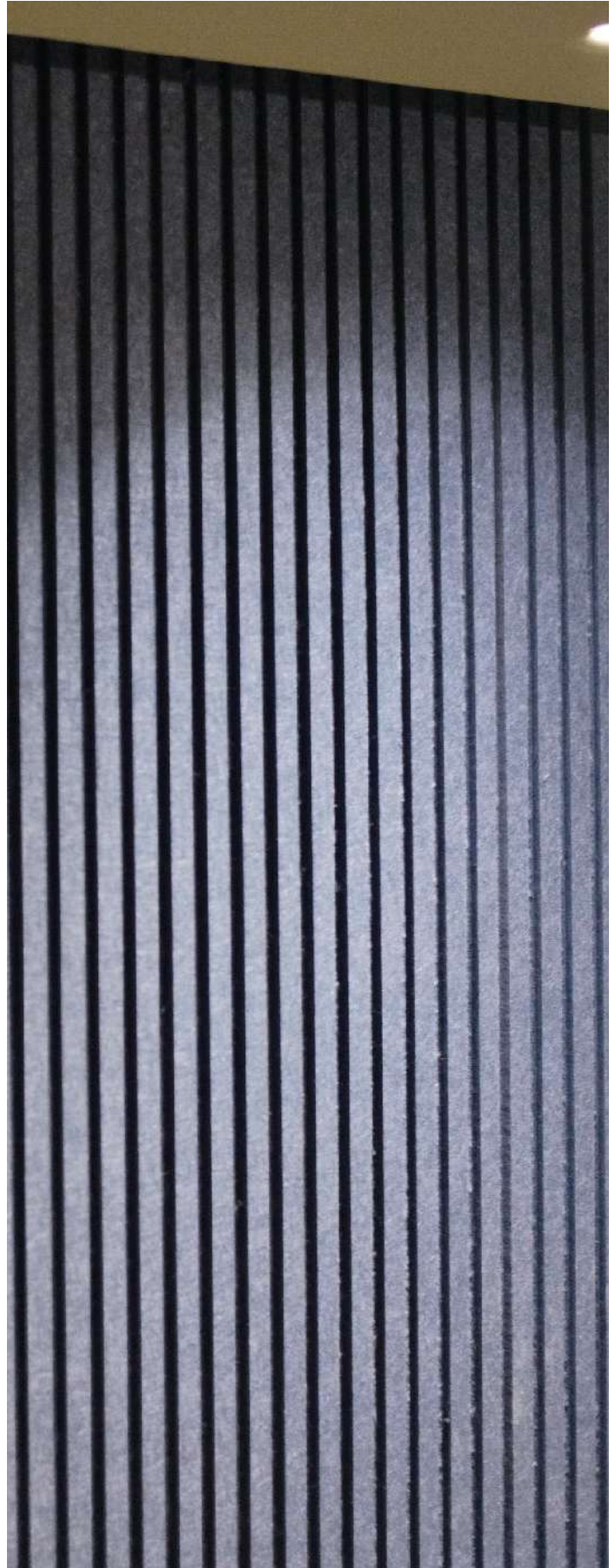
Suitable for a wide range of environments—including private, commercial, and specialized spaces—POLYSOUND panels combine acoustic performance with modern design flexibility.

The panels are available in **various shapes and formats**, allowing them to be installed edge-to-edge without visible joints. This creates a seamless, continuous surface across walls or ceilings, delivering a clean and refined architectural finish.

POLYSOUND provides a visually striking wall and ceiling covering solution that balances **acoustic efficiency, design versatility, and cost-effectiveness**, making it an ideal choice for contemporary interior projects.

Engrave Panels

Acoustic panels available in five formats — 30×10, 44×16, 24×16, 100×20, and 190×10 — designed to deliver effective sound absorption while creating a seamless, continuous finish across walls or ceilings. The panels are manufactured in two thickness options, allowing the acoustic performance to be tailored to the specific requirements and spatial constraints of each project. A wide range of colours provides design flexibility for consultants, architects, and clients.



TECHNICAL SPECIFICATIONS



INSTALLATION

Installation can be carried out by mechanical fixing or adhesive bonding to walls or ceilings.



SUSTAINABILITY

Panels manufactured from 100% polyester fibre, containing a minimum of 75% post-consumer recycled PET sourced from recycled plastic bottles.



NON TOXIC

Tested according to BS EN 717-1 (E0) for formaldehyde emissions. The panels contain no chemical binders or formaldehyde, supporting safer indoor air quality.



FLAME RETARDANT

Panels rated Class B-s1, d0 according to EN 13501-1, offering high fire safety performance for walls and ceilings.



MAINTENANCE

Panels can be cleaned easily using a dust broom, vacuum cleaner, or a damp cloth.



AVAILABLE SIZES

PANEL

240x60cm

SHAPE CHARACTERISTICS

30-10:

3 cm solid – 1 cm engrave

44-16:

4.4 cm solid – 1.6 cm engrave

24-16:

2.4 cm solid – 1.6 cm engrave

100-20:

10 cm solid – 2 cm engrave

190-10:

19 cm solid – 1 cm engrave

THICKNESS

12 mm or 24 mm

MATERIALS AND COLORS

MATERIALS

Polyester Fiber: 100% made from recycled PET

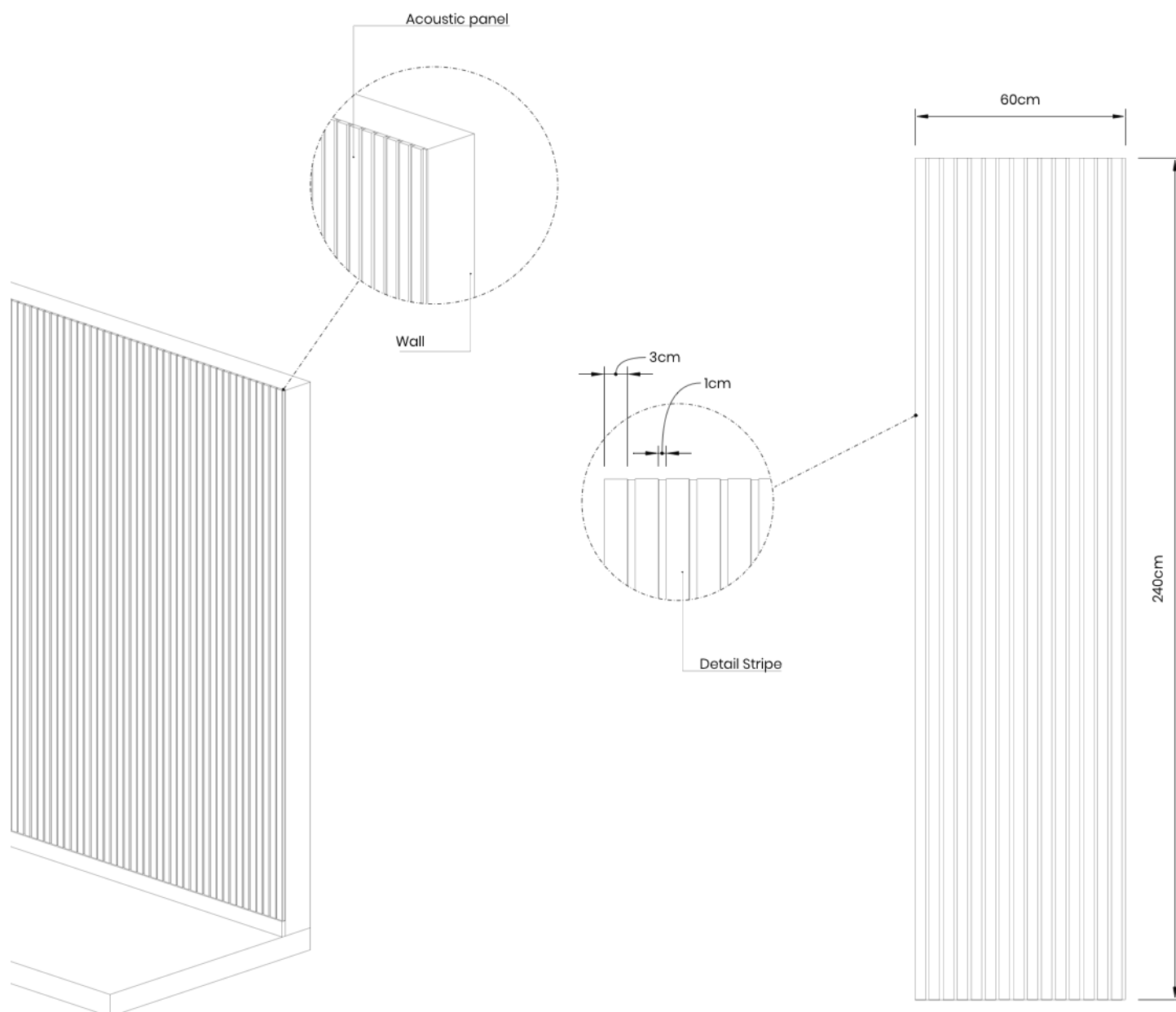
COLORS

As per client and project needs.



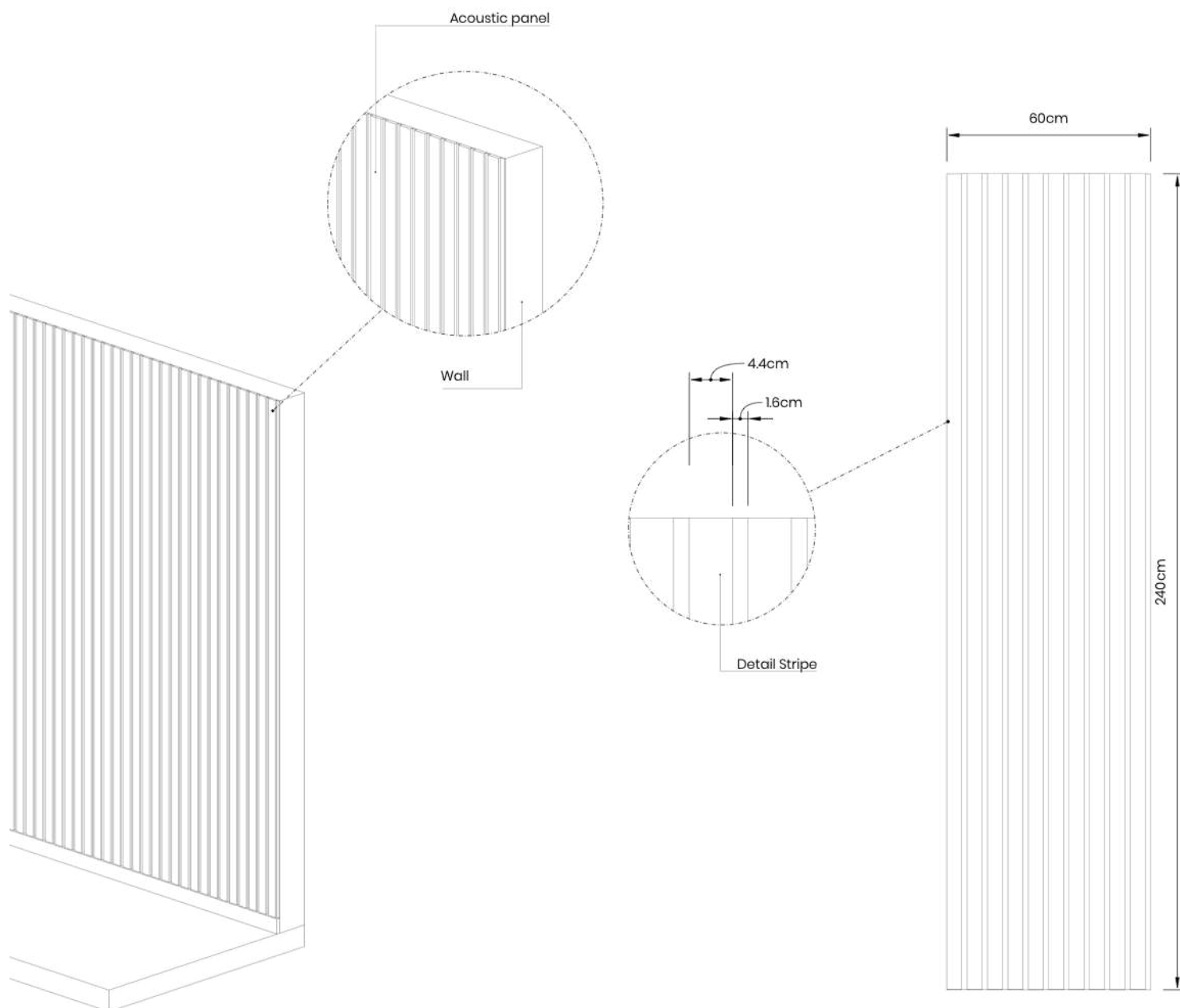
STANDARD DIMENSIONS AND TYPES

30-10: 3 cm solid – 1 cm engrave



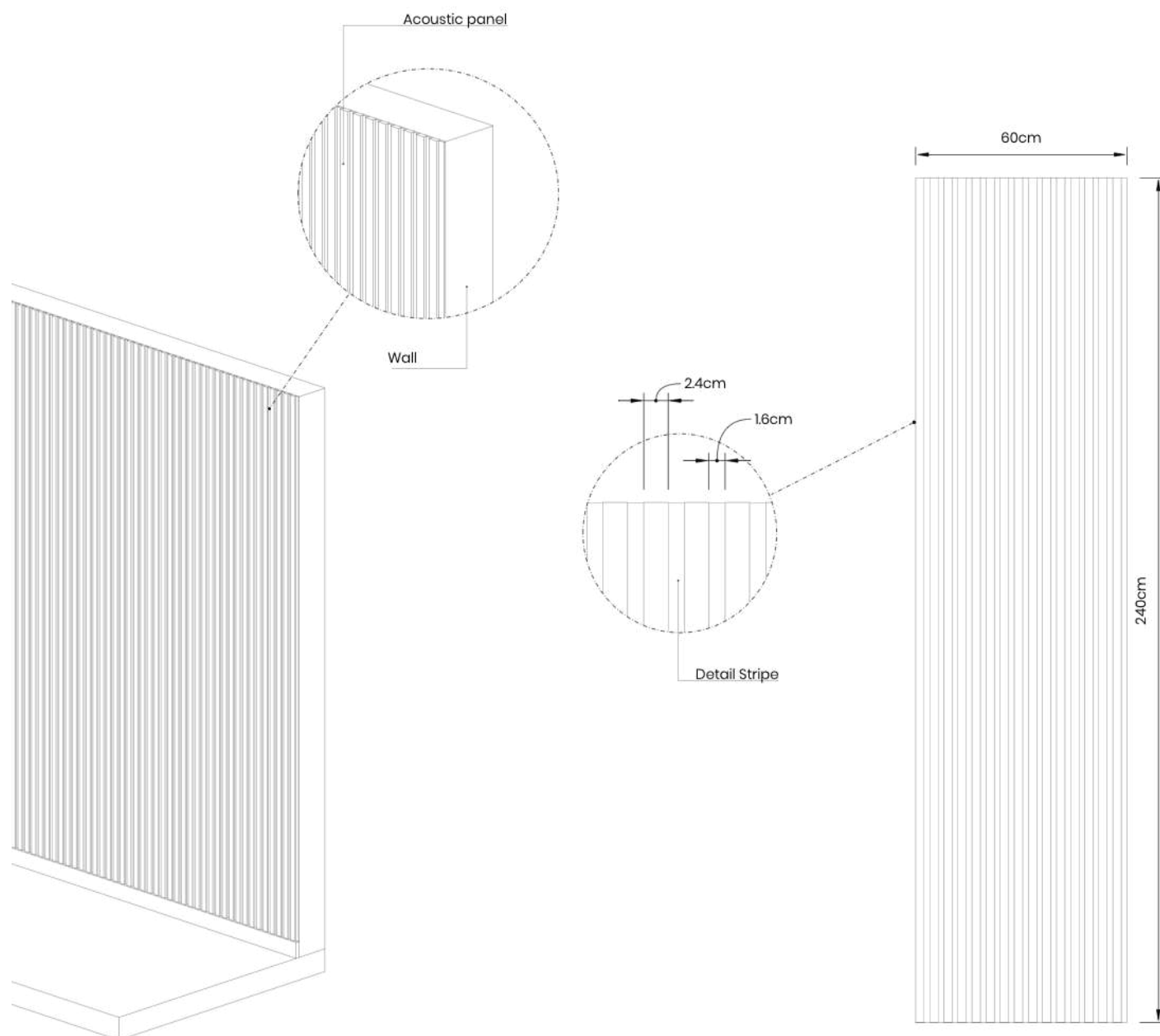
STANDARD DIMENSIONS AND TYPES

44-16: 4.4 cm solid – 1.6 cm engrave



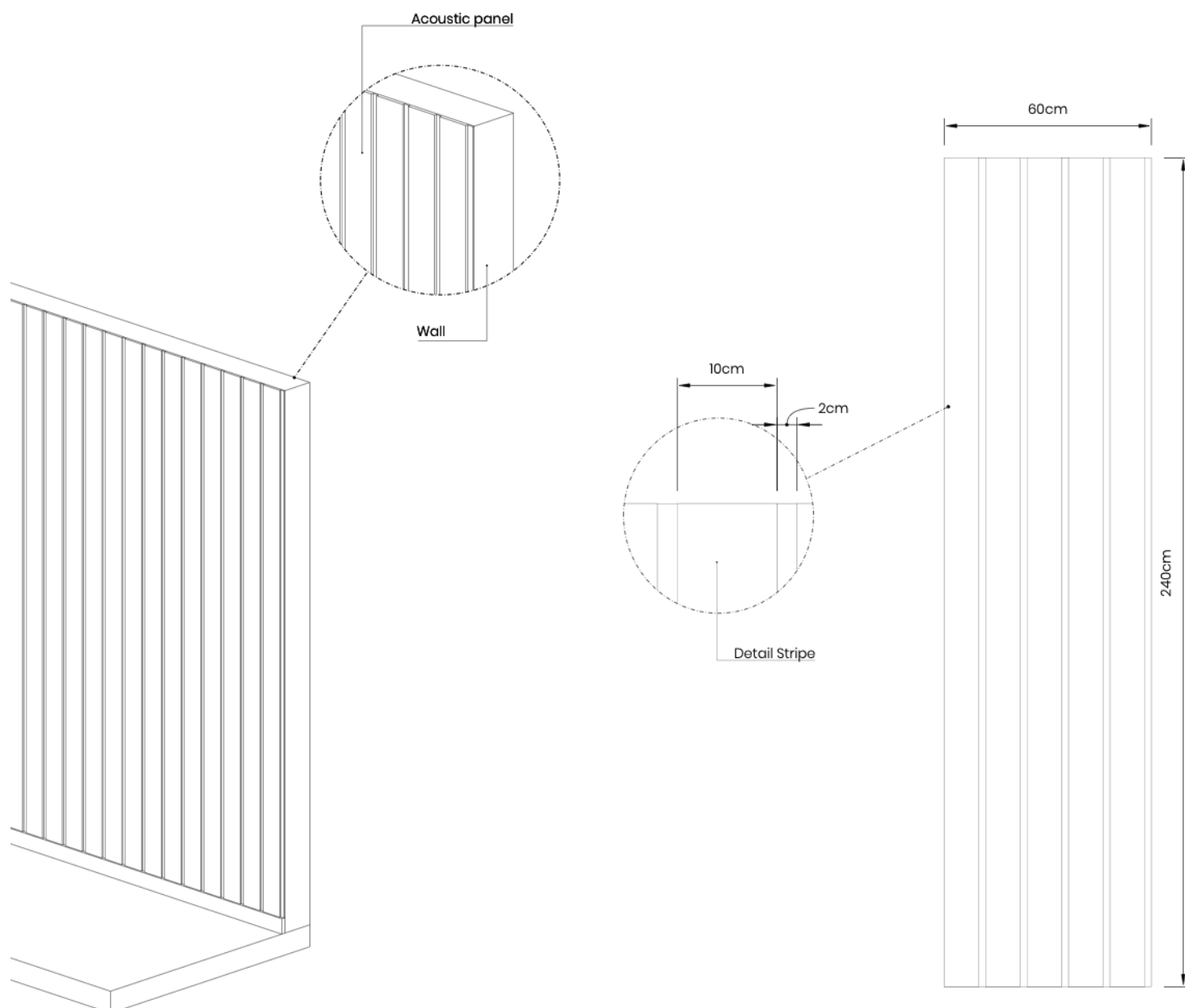
STANDARD DIMENSIONS AND TYPES

24-16: 2.4 cm solid – 1.6 cm engrave



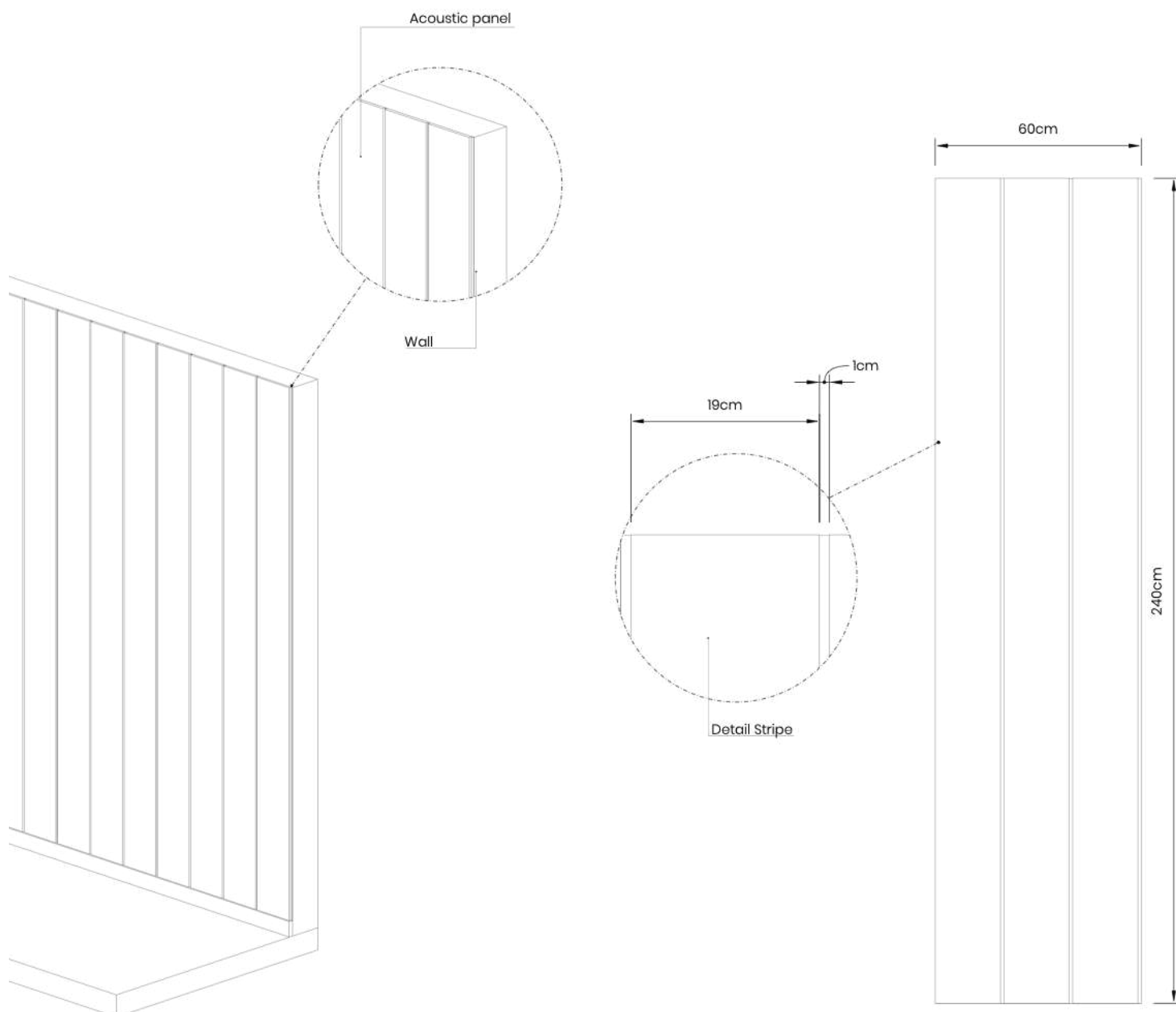
STANDARD DIMENSIONS AND TYPES

100-20: 10 cm solid – 2 cm engrave



STANDARD DIMENSIONS AND TYPES

190-10: 19 cm solid – 1 cm engrave



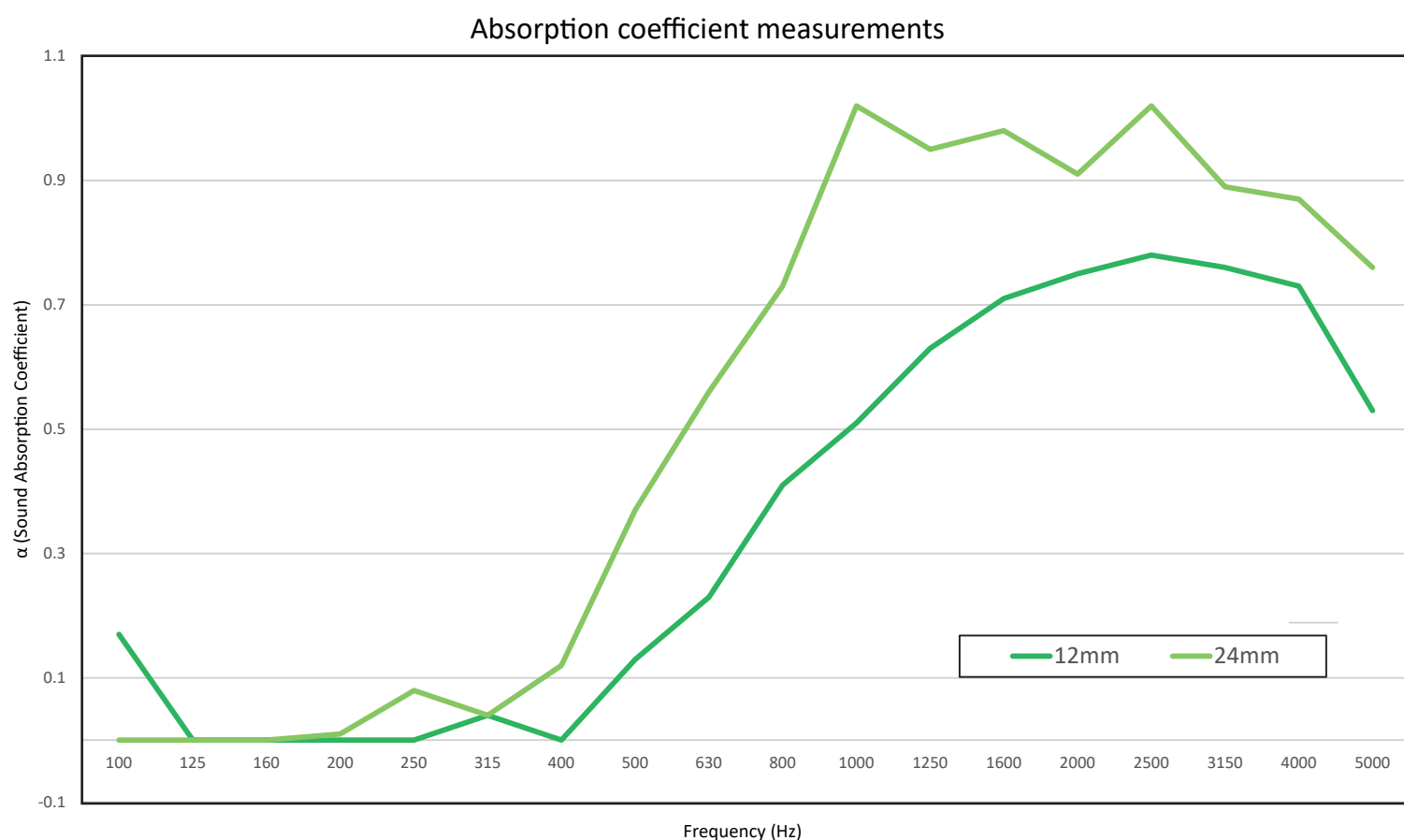
SOUND ABSORPTION

POLYSOUND ENGRAVE PANELS 12MM

Sound class D ($\alpha_w=0.37$) [according to ISO 354:2003 & ISO 11654:1997]

POLYSOUND ENGRAVE PANELS 24MM

Sound class C ($\alpha_w=0.54$) [according to ISO 354:2003 & ISO 11654:1997]



Frequency (Hz)	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
as 12 mm	0.17	0	0	0	0	0.04	0	0.13	0.23	0.41	0.51	0.63	0.71	0.75	0.78	0.76	0.73	0.53
	0.06			0.01			0.12			0.52			0.75			0.67		
as 24 mm	0	0	0	0.01	0.08	0.04	0.12	0.37	0.56	0.73	1.02	0.95	0.98	0.91	1.02	0.89	0.87	0.76
	0.00			0.04			0.35			0.90			0.97			0.84		

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