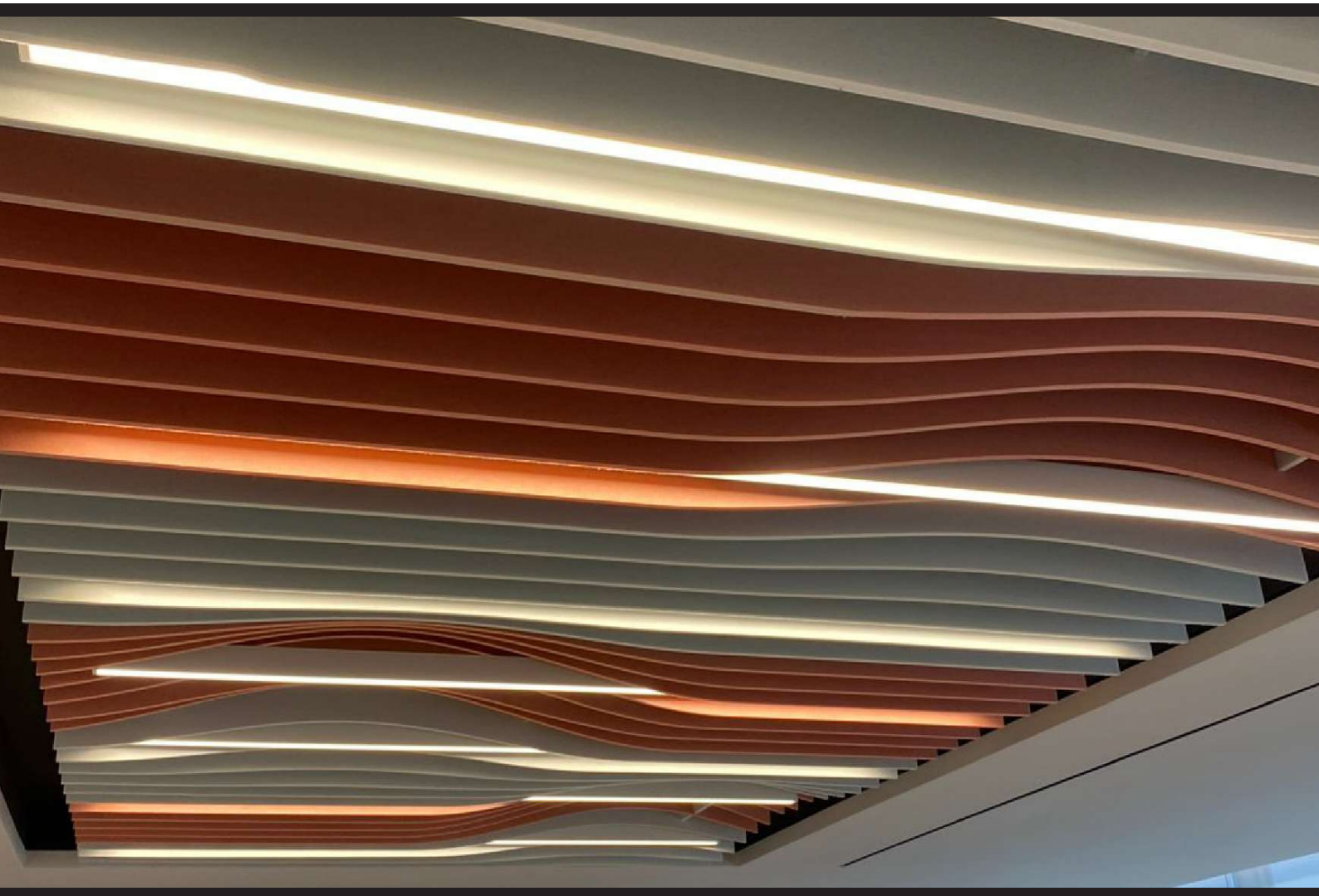


# | Wavy |



**IWMI**  
**URBAN**  
**NOISE**  
**CONTROL**

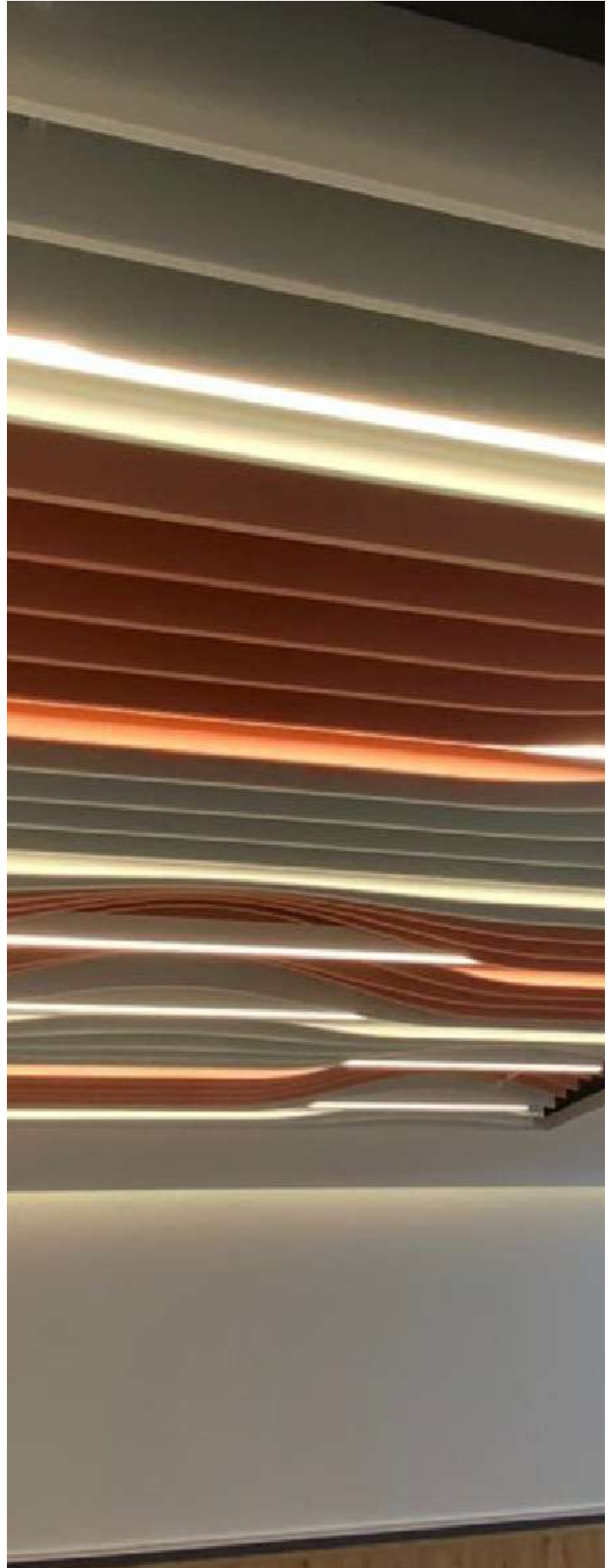
The **M-SYSTEM** is a lightweight modular ceiling system made from recycled PET acoustic panels, designed to provide effective sound absorption while enhancing interior aesthetics.

Suitable for commercial, private, and specialized spaces, the suspended baffle system helps reduce reverberation and improve acoustic comfort in a wide range of environments.

The system can function as a false ceiling and is installed through mechanical fixing or suspended installation using a metal support structure with steel threaded rods, allowing mounting on walls or ceilings depending on the project requirements.

The system also allows seamless integration of building services such as HVAC systems, lighting fixtures, fire sprinklers, and audio equipment.

Combining acoustic performance, sustainable materials, and modern design, the M-SYSTEM offers a cost-effective and visually striking ceiling solution for contemporary interior projects.



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**TECHNICAL SPECIFICATIONS**

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**INSTALLATION**

Installation can be carried out by mechanical fixing or suspension using a metal structure, on 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.



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**AVAILABLE SIZES**

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**MODULE SIZE**

193.8 cm x 240 cm

**HEIGHT OF BAFFLES**

16 cm

**HEIGHT OF SYSTEM**

17 cm

**GAP BETWEEN BAFFLES**

4 cm or 9 cm

**THICKNESS OF BAFFLES**

12 mm or 24 mm

**SUPPORT TYPE**

Galvanised steel structure

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**MATERIALS AND COLORS**

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**MATERIALS**

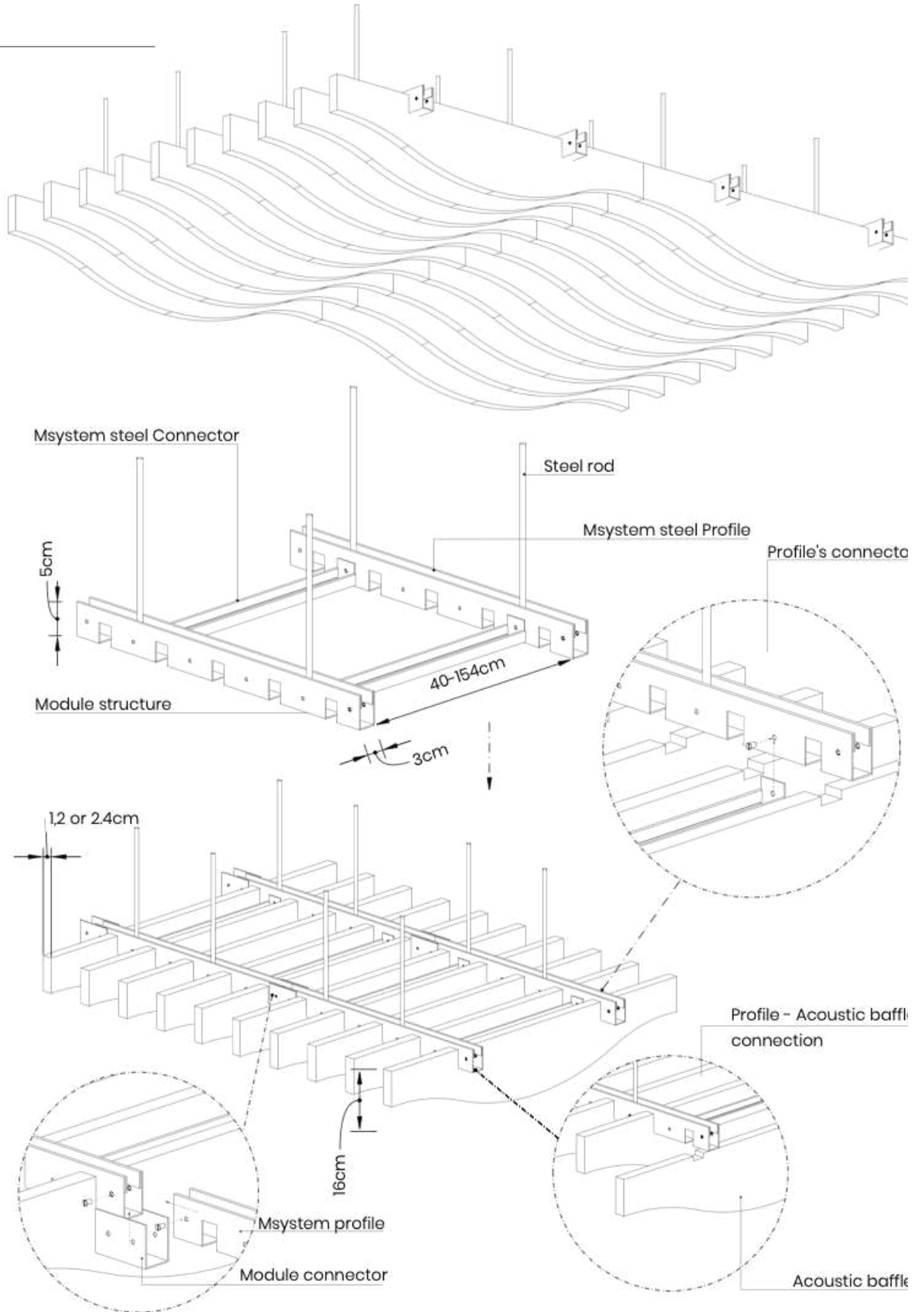
Polyester Fiber: 100% made from recycled PET

**COLORS**

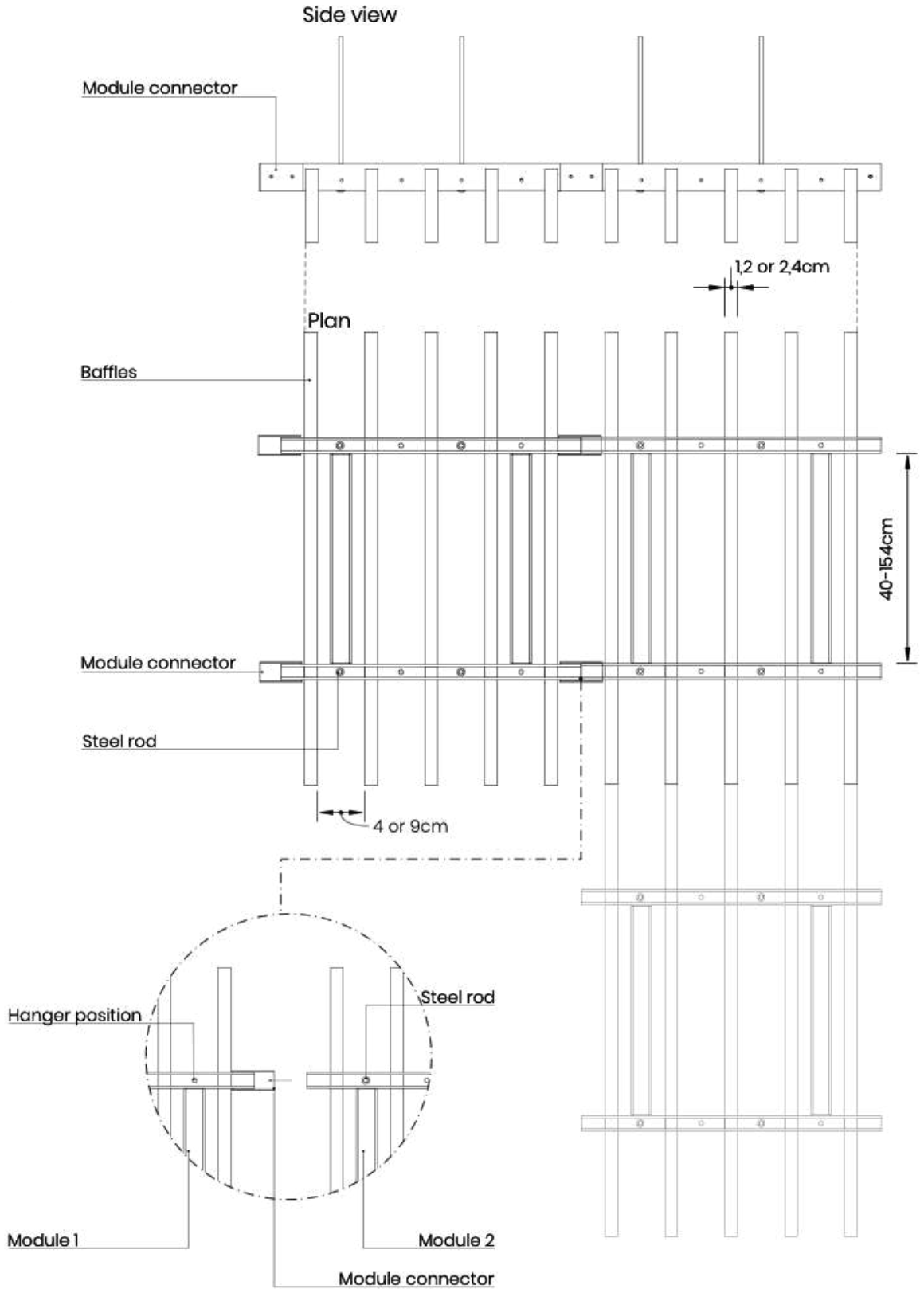
As per client and project needs.



# STANDARD DIMENSIONS AND TYPES



# STANDARD DIMENSIONS AND TYPES



## SOUND ABSORPTION

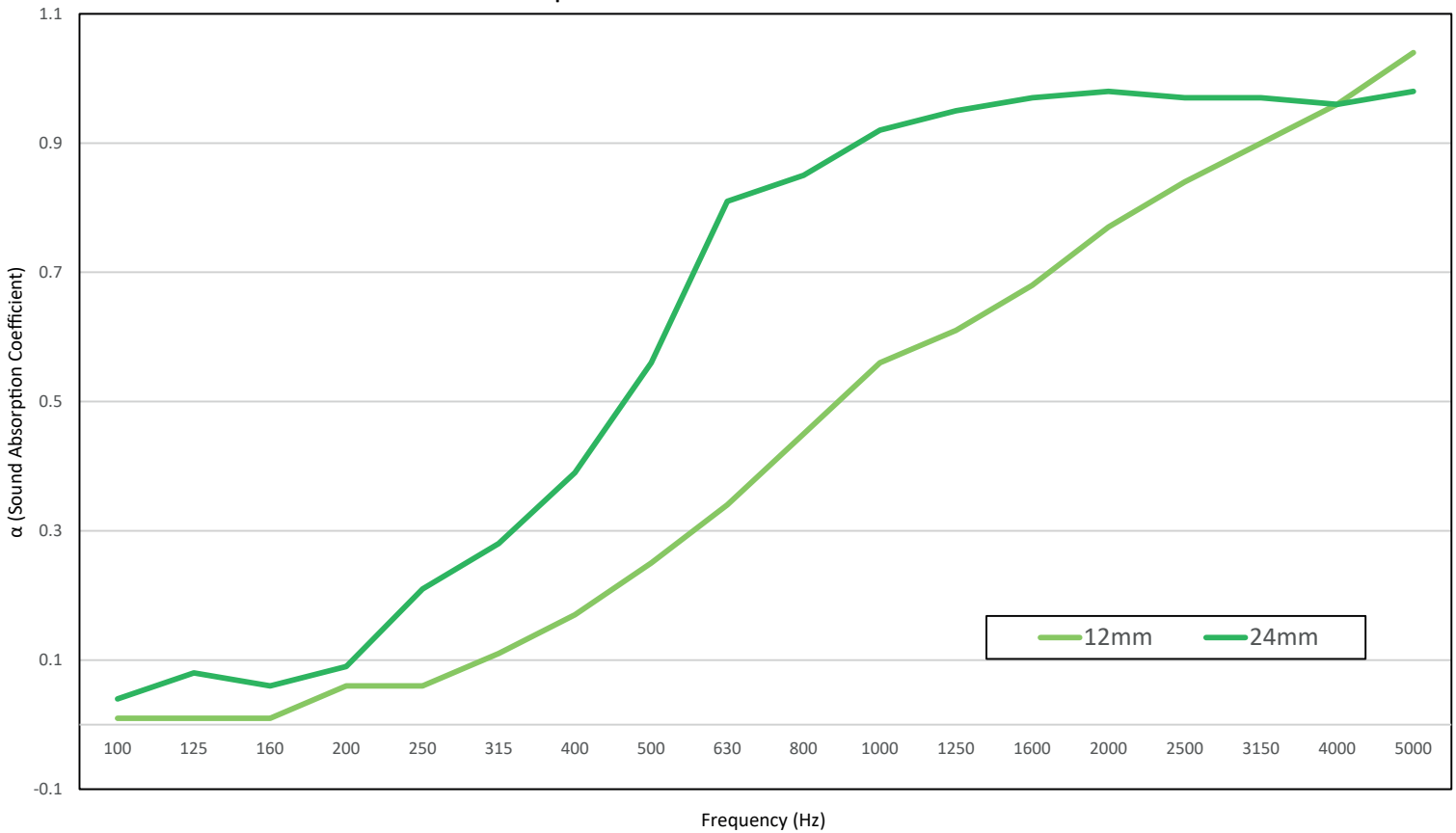
### M-SYSTEM WAVY - 4 cm GAP - MATERIAL 12 mm

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

### M-SYSTEM WAVY - 4 cm GAP - MATERIAL 24 mm

Sound class C ( $\alpha_w=0.61$ ) [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
as 12 mm	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		
as 24 mm	0.04	0.08	0.06	0.09	0.21	0.28	0.39	0.56	0.81	0.85	0.92	0.95	0.97	0.98	0.97	0.97	0.96	0.98
	0.06			0.19			0.59			0.91			0.97			0.97		

## SOUND ABSORPTION

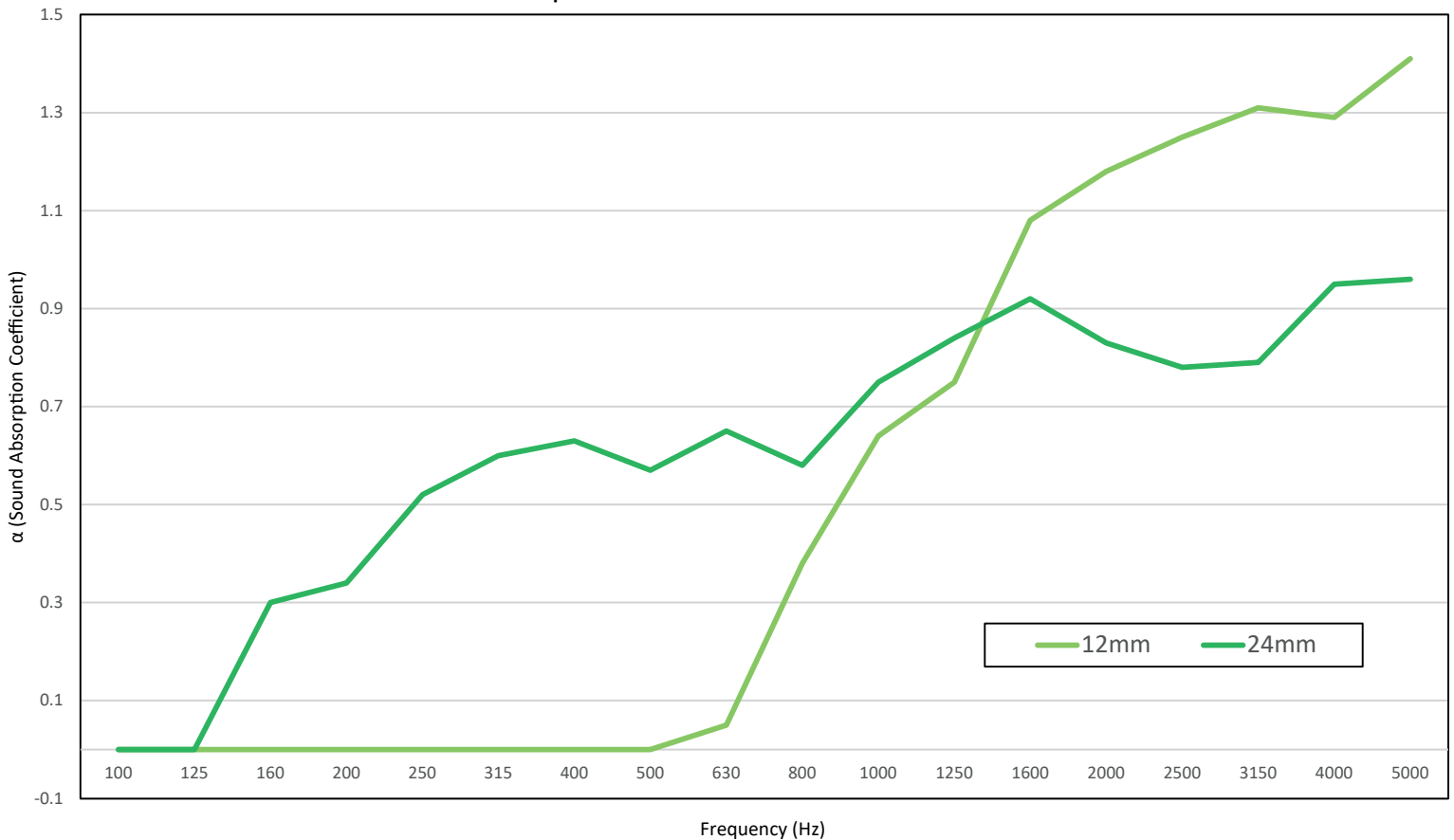
### M-SYSTEM WAVY - 9 cm GAP - 12 mm - TYPE J MOUNTING

Sound class C ( $\alpha_w=0.56$ ) [according to ISO 354:2003]

### M-SYSTEM WAVY - 9 cm GAP - 24 mm - TYPE J MOUNTING

Sound class C ( $\alpha_w=0.62$ ) [according to ISO 354:2003]

Absorption coefficient measurements



Frequency (Hz)	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
as 12 mm	0	0	0	0	0	0	0	0	0.05	0.38	0.64	0.75	1.08	1.18	1.25	1.31	1.29	1.41
	0.00			0.00			0.02			0.59			1.17			1.34		
as 24 mm	0	0	0.3	0.34	0.52	0.6	0.63	0.57	0.65	0.58	0.75	0.84	0.92	0.83	0.78	0.79	0.95	0.96
	0.10			0.49			0.62			0.72			0.84			0.90		

**IWM**  
**URBAN**  
**NOISE**  
**CONTROL**