

# Cross



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

**MODULAR** 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 is designed to function as a suspended (false) ceiling, installed using a durable metal wire rope system. This flexible installation method allows for seamless integration at various ceiling heights, adapting easily to the specific requirements of each project.

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 **MODULAR** offers a **cost-effective and visually striking ceiling solution** for contemporary interior projects.



---

## TECHNICAL SPECIFICATIONS

---



### INSTALLATION

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



### 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

---

**MODULE SIZE**

106x106cm & 212x212cm

**MODULE HEIGHT (MAX)**

16 cm

**GAP BETWEEN BAFFLES**

20 cm

**THICKNESS OF BAFFLES**

12 mm

**HANGED METHOD**

Galvanised wire rope

**HANGED HEIGHT**

Flexible (according to needs)

---

## MATERIALS AND COLORS

---

**MATERIALS**

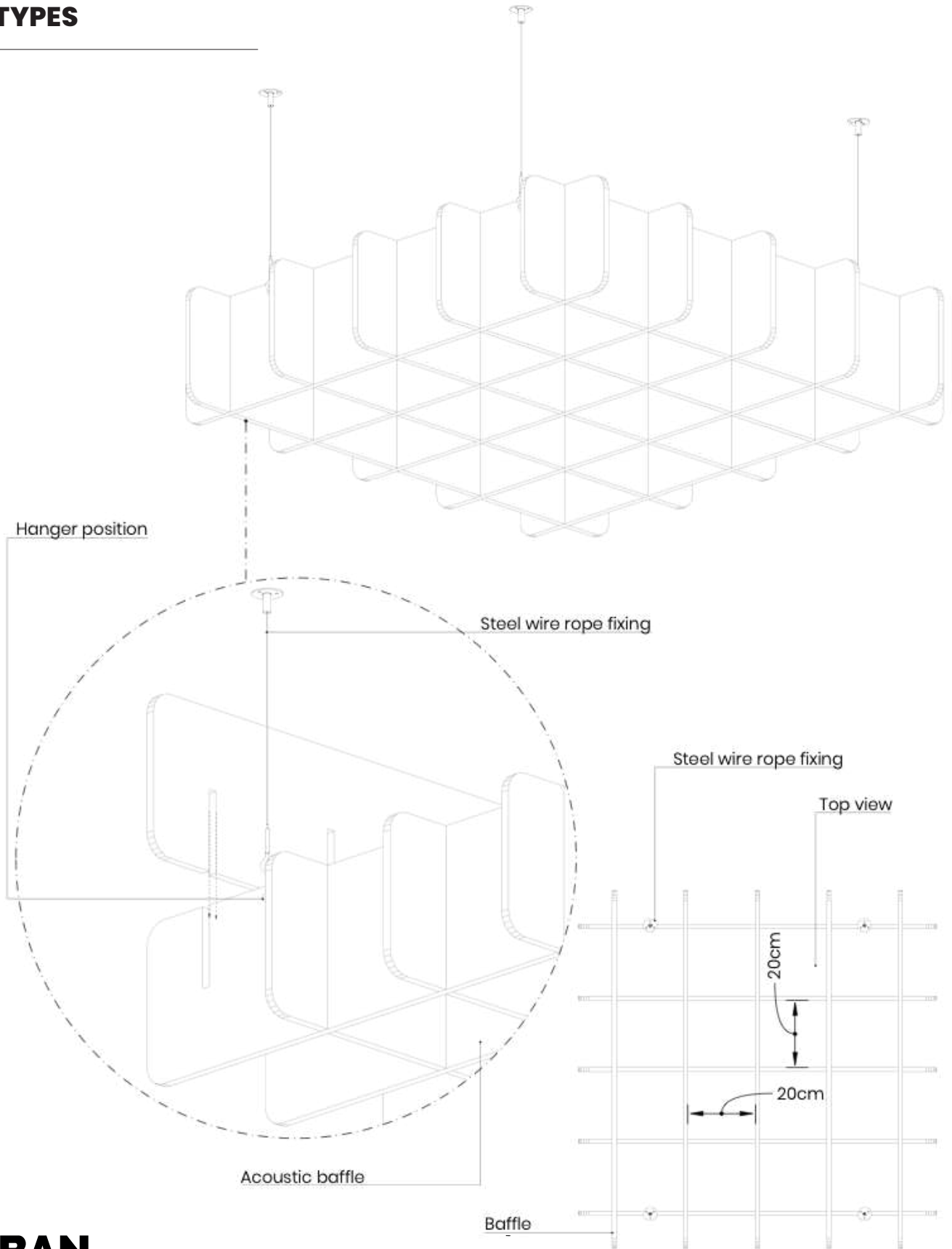
Polyester Fiber: 100% made from recycled PET

**COLORS**

As per client and project needs.



**STANDARD DIMENSIONS  
AND TYPES**

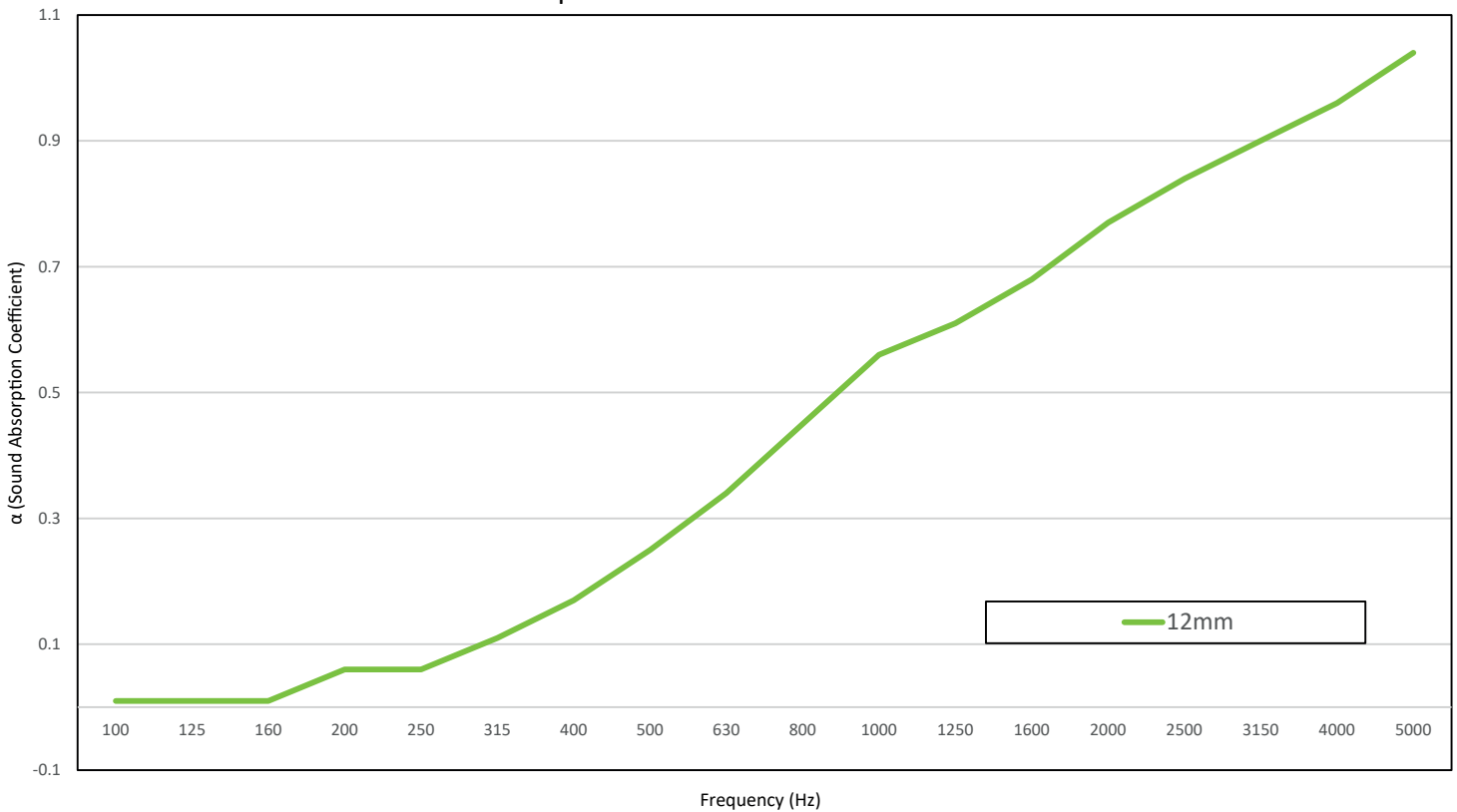


## SOUND ABSORPTION

### MODULAR PET MATERIAL

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
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		

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