



# mSystem Linear

**URBAN  
NOISE  
CONTROL**

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## **IWMI**

UNC is probably the only one company in Cyprus that, along with supply and manufacturing, provides Designing and Installation, from experienced Acoustic Consultants and Installers respectively. Moreover, UNC has acoustic material in stock and the probably only one in Cyprus, brand-new showroom with exclusively acoustic materials and systems.

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## mSystem Linear

A modular ceiling system, a lightweight hanging baffle system made by 100% recycled PET, which can be placed to ceiling and provide significant sound absorption and desired aesthetics, within various types (private, special, commercial) of rooms.

The system can act as a false ceiling in a space/room and integrate in between/above of it, services as HVAC units, lights, fire water sprinklers, speakers and others.

The M-SYSTEM is guaranteed to bring a visually eye-catching ceiling solution to any project, through a cost-effective solution.



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## DESIGNING AND INSTALLATION

Apart from being suppliers and manufactures, UNC provide Designing and Installation services.

A specialised team of Acoustic Consultants and an experienced team of Acoustic Materials/systems Installers could carry out an end-to-end service for Acoustic treatment.

## PRODUCT AVAILABILITY AND SAMPLES

UNC always have stock of the product and samples of each one of it. Feel free to contact us, in order to setting up a meeting in our showroom.



## SPECIFICATIONS



### MAINTENANCE

It can be cleaned by using a dust broom, a vacuum cleaner or a hard-wrung cloth.



### SUSTAINABILITY

Those panels are made from sustainable materials. Panels are made from 100% polyester fiber. Containing a minimum of 75% post-consume recycled material (PET bottle-flake).



### NON TOXIC

BS EN 717-1 E0 Formaldehyde-free environmental test. It does not contain chemical binders including formaldehyde and support safer indoor air quality.



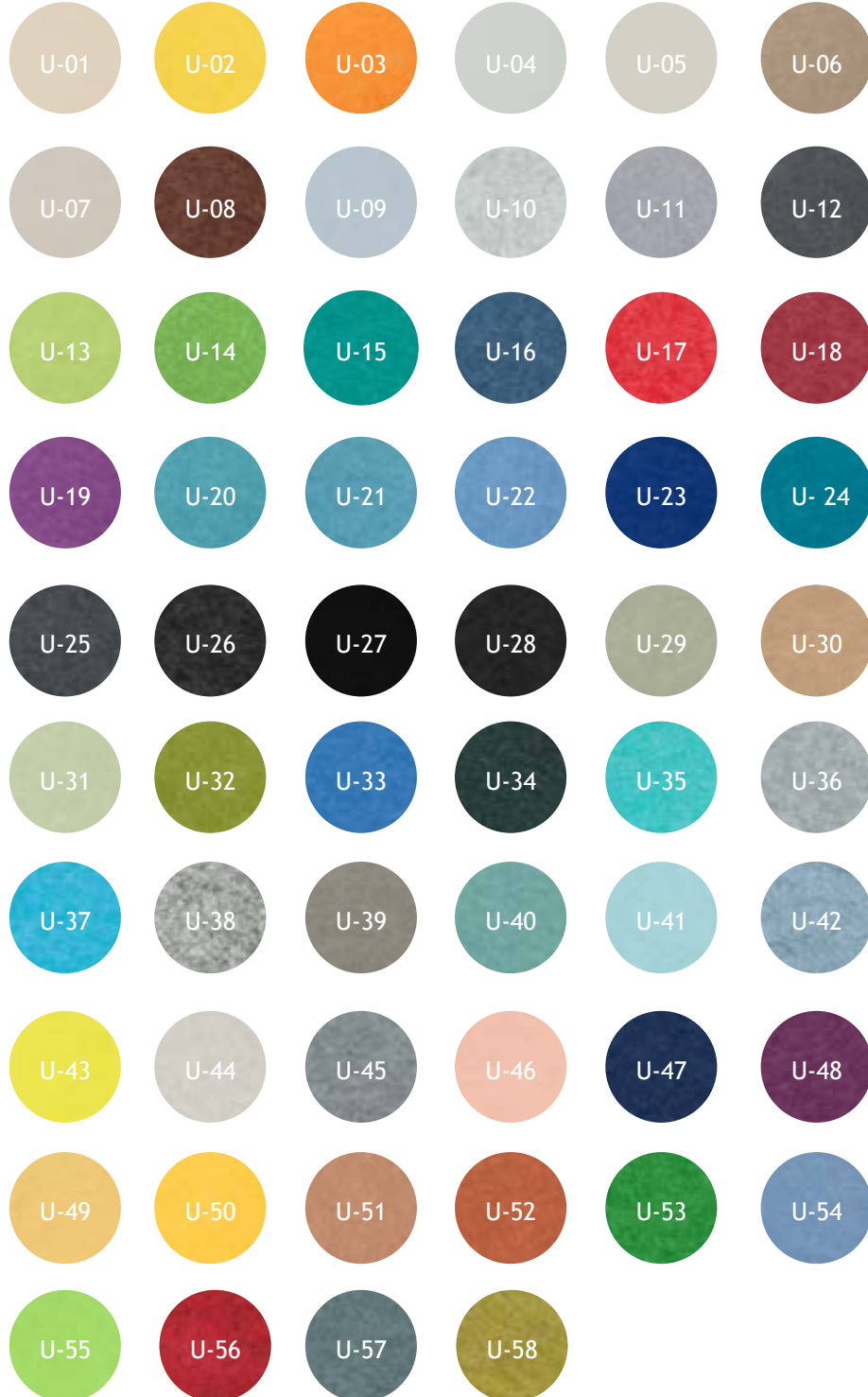
### FLAME RETARDANT

Class B-s1, d0 [EN-13501-1]

**MATERIAL**

**POLYESTER FIBER**

100% made from recycled PET





**STANDARD DIMENSIONS AND TYPES**

**MSYSTEM LINEAR CEILING / WALL**

**Module size:**  
1938x2400mm

**Height of baffles:**  
160mm

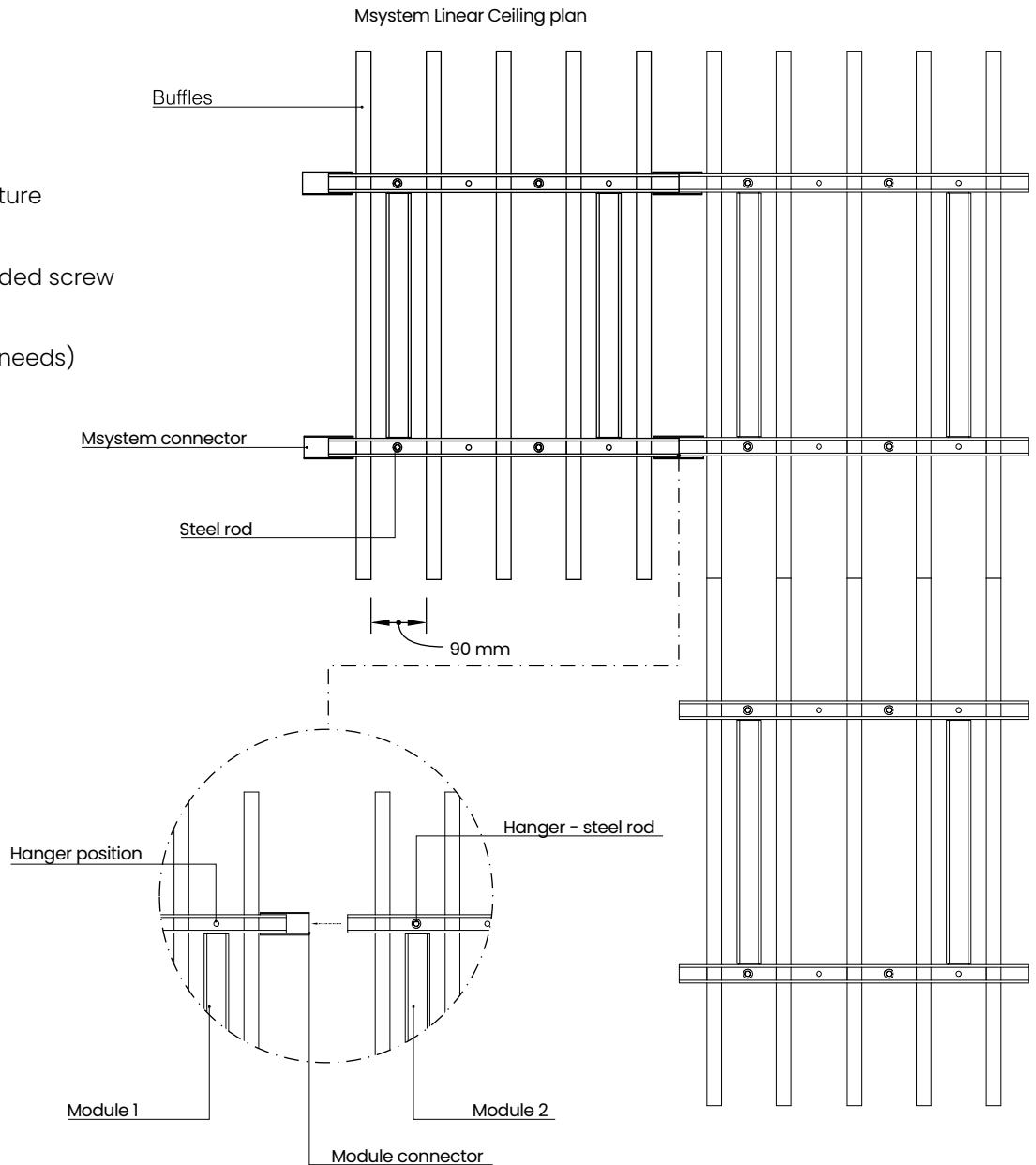
**Gap between baffles:**  
40mm or 90mm

**Thickness of baffles:**  
12mm or 24mm

**Support type:**  
Galvanised steel structure

**Hanged method:**  
Galvanised long threaded screw

**Hanged height:**  
Flexible (according to needs)

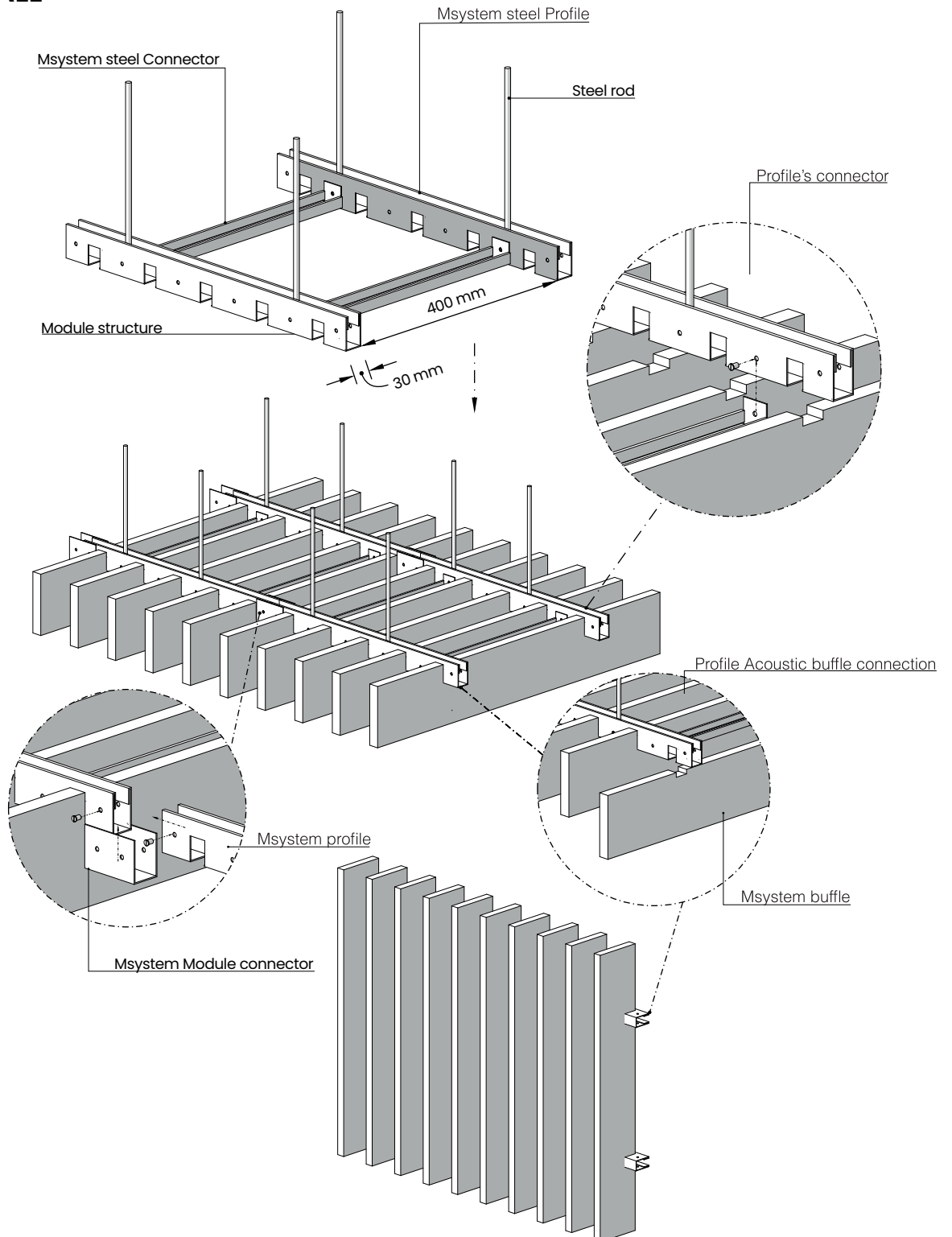






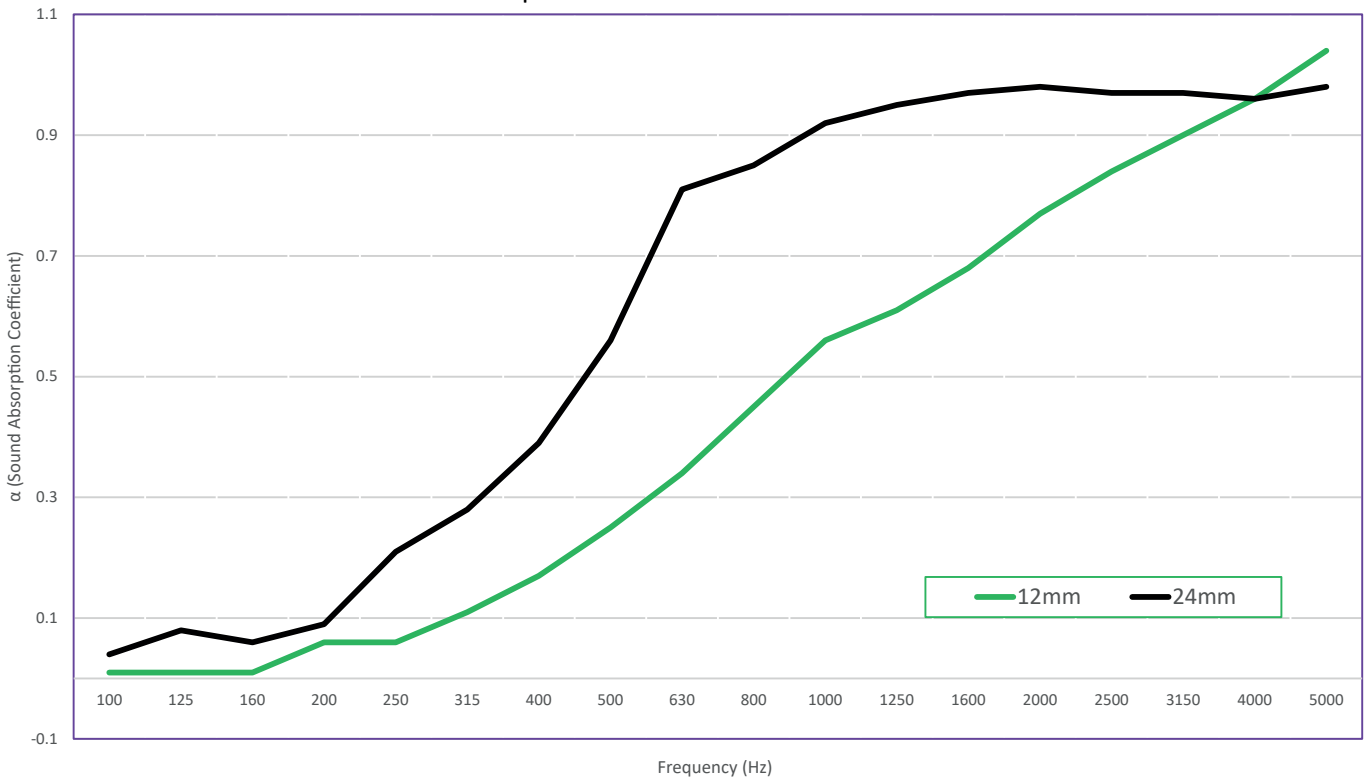
**STANDARD  
DIMENSIONS  
AND TYPES**

**MSYSTEM LINEAR  
CEILING / WALL**



**SOUND  
ABSORPTION**

**M-SYSTEM Linear**  
Absorption coefficient measurements



**M-SYSTEM Linear Material 12mm:**  
Sound class D ( $\alpha_w=0.30$ )  
[according to ISO 354:2003 & ISO 11654:1997]

**M-SYSTEM Linear Material 24mm:**  
Sound class C ( $\alpha_w=0.61$ )  
[according to ISO 354:2003 & ISO 11654:1997]

**SOUND  
ABSORPTION**

Frequency (Hz)	12mm		24mm	
100	0.01		0.04	
125	0.01	0.01	0.08	0.06
160	0.01		0.06	
200	0.06		0.09	
250	0.06	0.08	0.21	0.19
315	0.11		0.28	
400	0.17		0.39	
500	0.25	0.25	0.56	0.59
630	0.34		0.81	
800	0.45		0.85	
1000	0.56	0.54	0.92	0.91
1250	0.61		0.95	
1600	0.68		0.97	
2000	0.77	0.76	0.98	0.97
2500	0.84		0.97	
3150	0.9		0.97	
4000	0.96	0.97	0.96	0.97
5000	1.04		0.98	



Suite No: 238, Al Shafar Investment Building,  
Sheikh Zayed Road, Al Quoz, P.O. Box: 212688,  
Dubai, UAE

+971 4 268 4667

info@europhonacoustics.com  
www.europhonacoustics.com