

## MEMBRANA ACÚSTICA DANOSA M.A.D.6

Membrana Acústica Danosa M.A.D.6 is a **mass loaded high-density membrane** specifically designed to behave as an anti resonant material.



It is an efficient substitute for lead sheets. Between porous absorbers materials works like a panel absorbers (most efficient at absorbing low frequencies).

### TECHNICAL DATA

TECHNICAL DATA	VALUE	UNIT	STANDARD
Thickness tolerance	< 10	%	EN 823
Length and width tolerance	< 5	%	EN 822
Nominal mass	> 9.9%	Kg/m <sup>2</sup>	EN 1849-1
Mass tolerance	10	%	EN 1849-1
Young's module	25	kPa	EN ISO 527-2
Poisson coefficient	0.48	-	-
Resistance to tearing (nail shank)	180±50	N	EN 12310-1
Dimensional stability at elevated temperature	stable	-	EN 1107-1
Reaction to fire	B s1 d0	Euroclase	EN 13501-1
Sound reduction index improvement between plasterboard, ΔR	6	dB	EN 140-16
Insulation improvement to 125 Hz (rigid elements)	> 10	dB	EN 140-16
Density	> 1800	Kg/m <sup>3</sup>	-

### ENVIRONMENTAL INFORMATION

Environmental Information	Declared Value	Units	Norm
Content of recycled raw material	15	%	-
Pre-consumer Recycled Content	0	%	-
Post-consumer Recycled Content	60	%	-
Manufacturing Location	Fontanar, Guadalajara (España)	-	-
Volatile organic compounds (VOCs)	50	µg/m <sup>3</sup>	ISO 16000-6:2006.



Decree No. 2011-321 of 23 March 2011  
the Ministry French Ecology, Sustainable  
Development, Transportation and Housing

### STANDARDS AND CERTIFICATION

Acoustic certifications resulting from approved laboratory tests.

Laboratory	Test (EN 140-3) No	Result (EN 717-1)
Danosa	DAN-001-MAD01	R <sub>w</sub> = 60 dB

## SCOPE

- It is used between rigid elements such as laminated plasterboard to improve insulation at low frequencies, both on vertical and horizontal walls.
- Used between spring elements (fibers, rock wool) to increase the overall insulation of the treatment, significantly improving low frequencies through the membrane effect within mass-spring-mass systems.
- It is used in industrial insulation as an anti-resonant material, providing acoustic mass to galvanized steel sheets.

## PRESENTATION

PRESENTATION	VALUE	UNIT
Length	4.5	m
Width	1	m
Total thickness	6	mm
Nº rolls per pallet	28	ud
m <sup>2</sup> per pallet	126	m <sup>2</sup>
Product Code	610011	-



1. Polyethylene film
2. High-density polymeric mass
3. Fibreglass (60 g/m<sup>2</sup>)

## INSTRUCTION FOR USE

An installation of the Membrana Acústica Danosa M.A.D.6 is shown in the following pictures:



1. Staple on 1st plate (wall)
2. Place the second plate (wall)
3. Staple on 1st plate (floating ceiling)
4. Set the 2nd plate (floating ceiling)

### INDICATIONS AND IMPORTANT RECOMMENDATIONS

It is recommended that the Membrana Acústica Danosa M.A.D.6 is fixed by staples on plasterboard or wooden board, spikes between porous materials and adhesive to metallic surfaces.

- Check the product's technical sheet on safety.
- For further information, please contact our technical staff.

### WARNING

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