

## MEMBRANA ACÚSTICA DANOSA M.A.D.2

Membrana Acústica Danosa M.A.D.2 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	> 3.7%	kg/m <sup>2</sup>	EN 1849-1
Mass tolerance	10	%	EN 1849-1
Young's module	190	kPa	EN ISO 527-2
Poisson coefficient	0.46	-	-
Resistance to tearing (nail shank)	125±50	N	EN 12310-1
Reaction to fire	D s3 d0	Euroclase	EN 13501-1
Sound reduction index improvement between plasterboard, ΔR	2	dB	EN 140-16
Insulation improvement to 125 Hz (rigid elements)	> 4	dB	EN 140-16
Insulation improvement to 125 Hz (like panel absorber)	> 6.5	dB	EN 140-16

### 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.

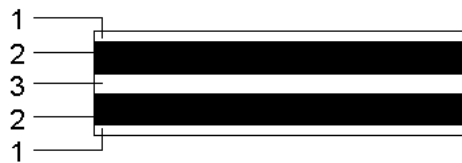
Laboratory	Test (EN 140-3) No	Result (EN 717-1)
L.G.A.I.	97.017.995	R <sub>w</sub> = 33 dB
DANOSA	95/MAD/004	R <sub>w</sub> = 37 dB

### SCOPE

- Used between rigid elements such as plasterboards to improve the low frequency insulation.
- Used between spring elements (fibers, rock wool) to increase the overall insulation treatment, improving significantly against low frequencies through the membrane effect within mass-spring-mass system.
- It used as antiresonant material in industrial acoustic insulation, providing acoustic mass to the galvanized steel sheet.

## PRESENTATION

PRESENTATION	VALUE	UNIT
Length	12	m
Width	1	m
Total thickness	2	mm
NO rolls per pallet	28	ud
m <sup>2</sup> per pallet	336	m <sup>2</sup>
Product Code	610034	-



1. Polyethylene Film
2. High-density polymeric mass
3. Fibreglass of 60 g/m<sup>2</sup>

## INSTRUCTION FOR USE

An installation of the Membrana Acústica Danosa M.A.D.2 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.2 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.

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