

MEMBRANA ACÚSTICA DANOSA M.A.D.4

Membrana Acústica Danosa M.A.D.4 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	> 7.2	Kg/m ²	EN 1849-1
Mass tolerance	10	%	EN 1849-1
Young's module	70	kPa	EN ISO 527-2
Poisson coefficient	0.48	-	-
Resistance to tearing (nail shank)	180±50	N	EN 12310-1
Reaction to fire	B s1 d0	Euroclase	EN 13501-1
Sound reduction index improvement between plasterboard, ΔR	5	dB	EN 140-16
Insulation improvement to 125 Hz (rigid elements)	> 8	dB	EN 140-16
Insulation improvement to 125 Hz (like panel absorber)	> 9.5	dB	EN 140-16
Density	> 1800	Kg/m ³	-

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 ³	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.

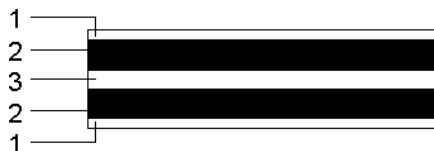
Laboratory	Test (EN 140-3) No	Result (EN 717-1)
Audiotec	CAM19080072/AER	R _w = 58 dB
L.G.A.I	98.012.316	R _w = 49 dB
L.G.A.I.	98.012.317	R _w = 57 dB
L.G.A.I.	98.012.318	R _w = 68 dB
LABEIN	B130-134-H91	R _w = 65 dB
LABEIN	B130-134-H94	R _w = 66 dB
DANOSA	95/MAD/008	R _w = 39 dB

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	6	m
Width	1	m
Total thickness	4	mm
NO. rolls per pallet	28	ud
m ² per pallet	168	m ²
Product Code	610034	-



1. Polyethylene film
2. High-density polymeric mass
3. Fibreglass (60 g/m²)



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INSTRUCTION FOR USE

An installation of the Membrana Acústica Danosa M.A.D.4 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.4 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

The information contained in this document and any other advice provided, are given in good faith, based on TIKIDAN's current knowledge and experience when products are properly stored, handled and applied, in normal situations and in accordance with the recommendations of TIKIDAN. The information applies only to the application (s) and the product (s) to which reference is expressly made. In case of changes in the parameters of the application, or in case of a different application, consult the TIKIDAN Technical Service before using the TIKIDAN products. The information contained herein does not exonerate the responsibility of the building agents to test the products for the application and intended use, as well as their correct application in accordance with current legal regulations.

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