

DANOFON

Danofon is a multilayer composite made of a high density bitumen based membrane between two porous textile layers.



Acoustically it works as a low-medium and high frequency insulation.

TECHNICAL DATA

TECHNICAL DATA	VALUE	UNIT	STANDARD
Airborne sound insulation, R_w	63	dB	EN 140-3 EN 717-1
Thickness tolerance	< 5	%	EN 823
Length and width tolerance	< 5	%	EN 822
Membrane density	> 1600	kg/m ³	EN 845
Density of the porous material	50	kg/m ³	EN 845
Nominal membrane mass	6	kg/m ²	EN 1849-1
Airflow resistance of the porous textile	33	KPa.s/m ²	EN 29053
Resistance to tearing (nail shank)	> 370	KN/m	EN 12310-1
Tensile strength: longitudinal	> 480	N/5 cm	EN 12311-1
Tensile strength: transversal	> 275	N/5 cm	EN 12311-1
Work temperature	-20 / +70	°C	-
Dimensional stability	0	%	EN 13164
Reaction to fire	F	Euroclase	EN 13501-1
Bituminous membrane thermal conductivity 10°C	0,130	w/m°K	EN 12667 EN 12939
Textile layer thermal conductivity 10°C	0,040	w/m°K	EN 12667 EN 12939
Total thermal resistance	0,77	m ² K/w	EN 12667 EN 12939

STANDARDS AND CERTIFICATION

Acoustic certifications resulting from approved laboratory tests.

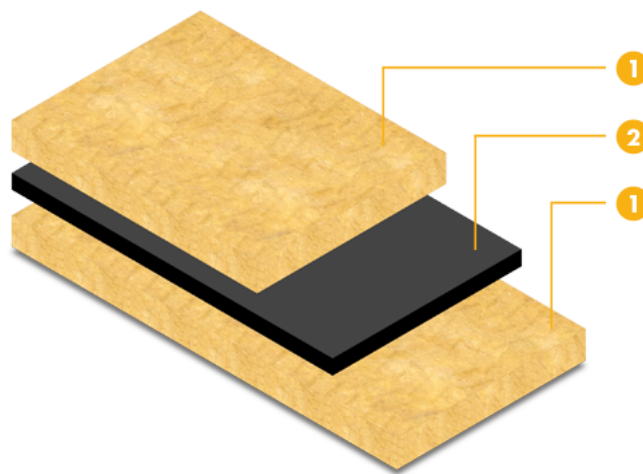
Laboratory	Test (EN 140-3) No	Result (EN 717-1)
L.G.A.I. (1)	110.921	$R_w = 49$ dB
L.G.A.I. (2)	98.004.279	$R_w = 63$ dB
L.G.A.I. (3)	98.006.560	$R_w = 65$ dB
LABEIN (4)	B130-134-H92	$R_w = 59$ dB
INSTITUTO TORROJA (5)	18.017	$R_w = 54$ dB

SCOPE

- Airborne sound insulation in cavity masonry solution for separating walls of dwelling houses, flats or rooms for residential purpose.
- Airborne sound insulation of separating walls in dwelling houses, flats or room for residential purposes.
- Insulation inside cavity of external cavity walls and suspended ceilings against low-middle and high frequencies in commercial premises with no sound players activity or with low sound emission like bars, restaurants, supermarkets, etc.
- Renewal of separating walls between different users in living areas of residential buildings.
- Separation between offices and factory in industrial buildings.

PRESENTATION

PRESENTATION	VALUE	UNIT
Length	6	m
Width	1	m
Total thickness	28	mm
Membrane thickness	4	mm
porous material thickness	12 / 12	mm
Overlap	30	mm
Weight	7,5	kg/m ²
Rolls per pallet	9	ud
m ² per pallet	54	m ²
Product Code	610090	-



1. Porous material
2. High-density membrane

INSTRUCTION FOR USE

An installation of the Danofon is shown in the following pictures:



1. Cut the product
2. Placement against wall
3. Clamp with insulation fixing
4. Insulation fixing in the overlap

INDICATIONS AND IMPORTANT RECOMMENDATIONS

- The finishing of plaster on the brick walls must have at least a thickness of 1 cm.
- To cut Danofon a low rpm manual machine should be used: MAKITA 4191 DW water cooling system or similar, with cutting asphalt disc 85 – 6 MAKITA. ELYWOOD SAW BLADE 3 - 3 / 8" x 15 mm.
- If a battery drilling machine is used (never plugged into the net) the drill bit should be immersed in water to avoid the asphalt from sticking to it.
- Check the product's technical sheet on safety.
- For further information, please contact our technical staff.

WARNING

The information that appears in the following document makes reference to the uses and utilities of danosa's products and systems, and it is based on the knowledge that have been learnt until present, by Danosa. This is only possible if products have been stored and used in an appropriate way.

Nevertheless, Danosa is not responsible for unsuitable uses of the products neither any other facts, such as meteorological facts. So Danosa is just responsible for the quality related to the provided products.

Danosa reserves the right to carry out modifications without previous notice.

The values that appear in the technical sheet are the results of the tests that have been performed in our laboratory. April 2012.

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