

## 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 <sup>3</sup>	EN 845
Density of the porous material	50	kg/m <sup>3</sup>	EN 845
Nominal membrane mass	6	kg/m <sup>2</sup>	EN 1849-1
Airflow resistance of the porous textile	33	KPa.s/m <sup>2</sup>	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 <sup>2</sup> K/W	EN 12667 EN 12939

### INFORMACIÓN MEDIOAMBIENTAL

Environmental Information	Declared Value	Units	Norm
Content of recycled raw material	28	%	-
Pre-consumer Recycled Content	0	%	-
Post-consumer Recycled Content	100	%	-
Manufacturing Location	Fontanar, Guadalajara (España)	-	-
Volatile organic compounds (VOCs)	100	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.

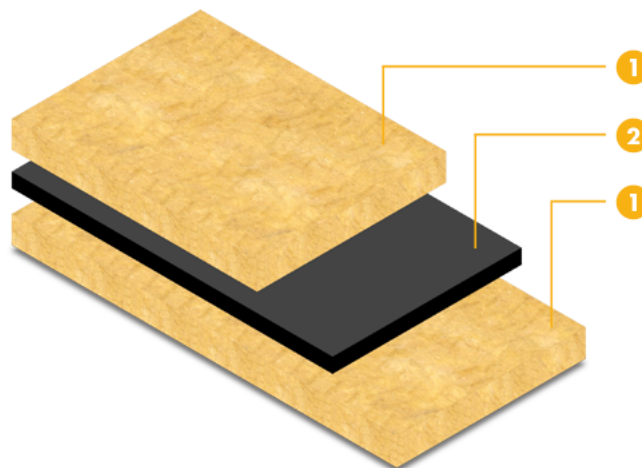
Laboratory	Test (EN 140-3) No	Result (EN 717-1)
L.G.A.I. (1)	110.921	R <sub>w</sub> = 49 dB
L.G.A.I. (2)	98.004.279	R <sub>w</sub> = 63 dB
L.G.A.I. (3)	98.006.560	R <sub>w</sub> = 65 dB
LABEIN (4)	B130-134-H92	R <sub>w</sub> = 59 dB
INSTITUTO TORROJA (5)	18.017	R <sub>w</sub> = 54 dB

## 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 <sup>2</sup>
Rolls per pallet	9	ud
m <sup>2</sup> per pallet	54	m <sup>2</sup>
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 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.

Orders are accepted in accordance with the terms of our current General Sales Conditions.  
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