

HIGH DENSITY MULTILAYER ACOUSTIC MEMBRANE FOR INSULATION AGAINST AIRBOURNE NOISE



Local
noise insulation



Low frequency
isolation



Mechanically
fixed



Great
flexibility



Minimum
thickness

DANOFON® is a multilayer composite consisting of a high density bituminous base sheet and a blanket on each side composed of recycled cotton and textile fibres bound with phenolic resin. Its works as a membrane resonator with a porous material on both sides.

ADVANTAGES

- Acoustic insulation for noisy night time premises e.g. cinemas, bars and nightclubs $D_{nTA} > 65$ dBA.
- As a membrane resonator, it provides insulation at low frequencies.
- High resistance to traction and nail tear, can be installed mechanically.
- High flexibility that allows us to provide insulation continuity in difficult areas and scenarios, such as corners.
- Prevents noise from entering downspout tubes.
- With little membrane thickness, it achieves high acoustic performance leaving more useful area and surface.
- By increasing the mass of light walls a higher acoustic performance is achieved.

USES

- Acoustic insulation of medians between different users in public or private residential buildings.
- Insulation inside the chambers of the back wall and floating ceilings for low, medium and high frequencies in low noise commercial premises.
- Refurbishment of medians between different users in residential properties.
- Insulation of downspouts in commercial premises e.g. hotels and shops.

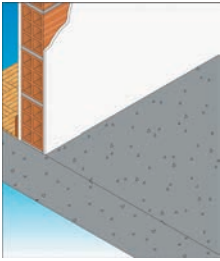
ENVIRONMENTAL INFORMATION

Volatile organic compounds (COV's) $< 100 \mu\text{g}/\text{m}^3$
según ISO 16000-6:2006

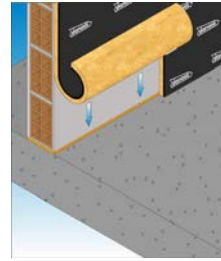




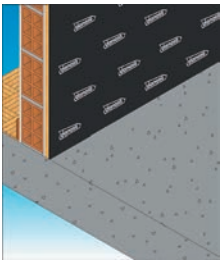
EXAMPLE METHOD OF APPLICATION



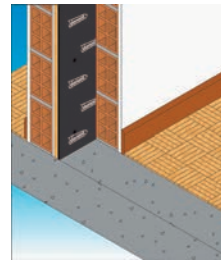
1.- Plaster first partition.



2.- Start product installation from the top of the walls working downwards, aligning the overlaps.



3.- Fix with 3-4 acoustic insulation fixings at the top of the membrane and then 1 fixing at 1m centres along the overlap.



4.- Build the second partition wall.

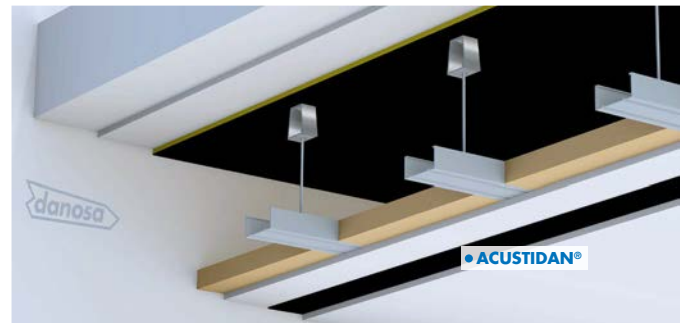
PRODUCT RANGE

Product name	Dimensions (m)	Thickness (mm)	Airbourne sound insulation (dBA)	Rolls/pallet
ACUSTIDAN® 16/2	1 x 6	18	35	12
ACUSTIDAN® 16/4		20	38,5	

COMPATIBLE SOLUTIONS



Partition walls between rooms



Floating/suspended ceilings between floors.



Noisy downspouts in commercial premises e.g. hotels

