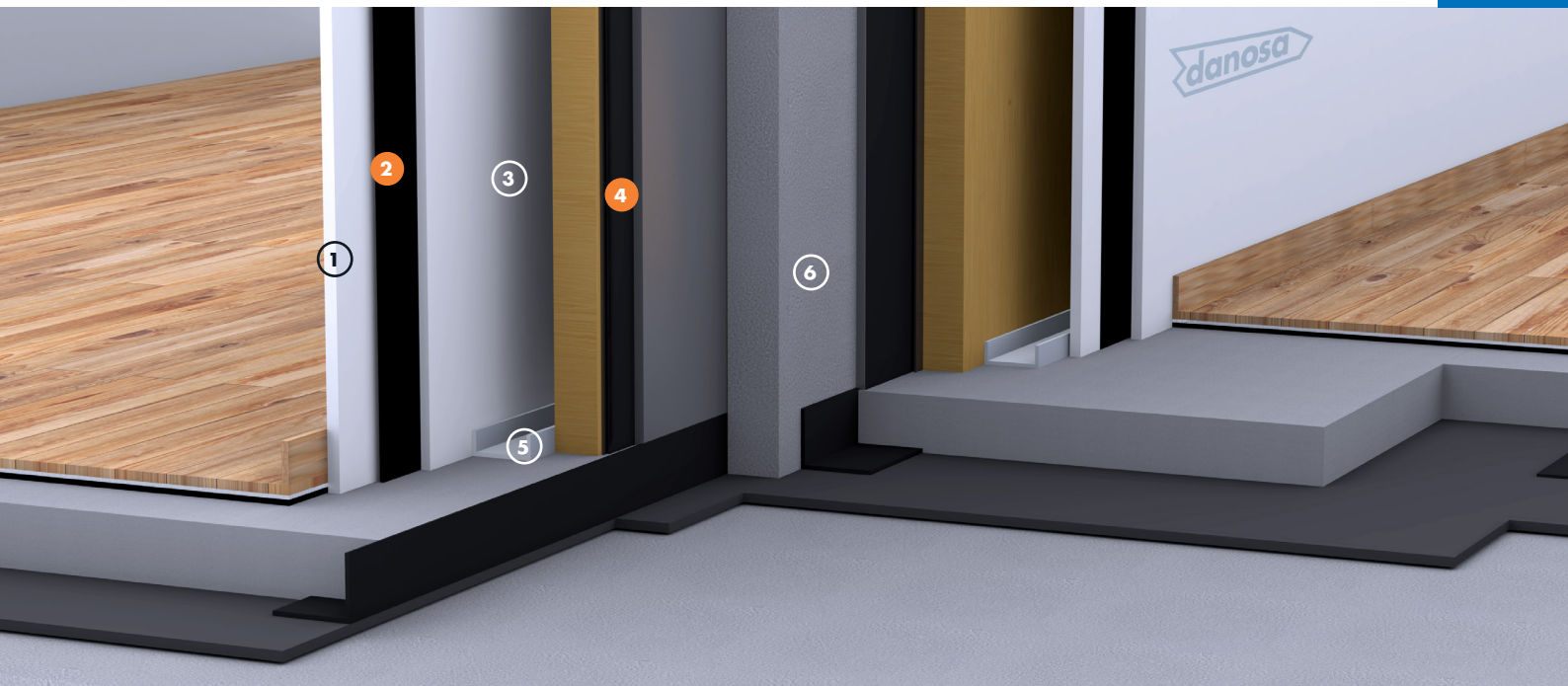


HIGH PERFORMANCE SEPARATING WALL

Acoustic insulation: High density bituminous sheet / Cross-linked polyethylene with acoustic membrane and rock wool



DIV4



NOISE PROTECTION
M.A.D.®

NOISE PROTECTION
SONODAN® PLUS

ADVANTAGES

- Get a high performance between rooms that allows different activities without any interference between them
- Shifts system resonance frequencies to less audible frequencies
- The acoustic membrane improves the insulation at low frequencies of the plasterboard system
- Absorbent at low, medium and high frequencies.
- Improves the acoustic behavior of the system to impulsive noises
- The system guarantees total tightness to recessed installations
- Light system better for structural strength, with low thickness and faster execution

APPLICATION AREAS

- Music recording studios

LEGEND

Partition wall:

- ① 12.5 mm plasterboard
- ② Acoustic insulation Acoustic Membrane Danosa M.A.D.®
- ③ 12.5 mm plasterboard
- ④ Acoustic insulation SONODAN® PLUS Self-adhesive
- ⑤ Plasterboard structure
- ⑥ Double hollow brick plastered partition



HIGH PERFORMANCE SEPARATING WALL

Acoustic insulation: High density bituminous sheet / Cross-linked polyethylene with acoustic membrane and rock wool

TECHNICAL DETAILS

Function	Product	Description	Property	Value
Anti-resonant acoustic insulation	M.A.D.® 4	High-density sheet.	ΔR_w between rigid elements	4 dBA
Acoustic insulation at impulse noise of low, medium and high frequencies	SONODAN® PLUS Self-adhesive	Panel composed of a first layer of cross-linked polyethylene foam and high-density membrane and a second layer of high-density membrane and mineral wool.	R_w	52 - 65 dBA

Note: This sheet is included in an acoustic box-in-box system.

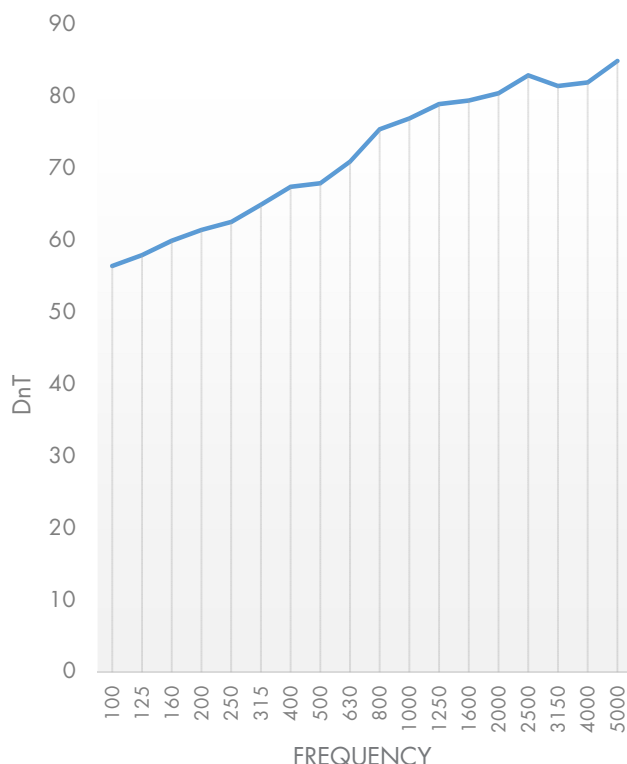
APPLICATION METHOD

High-performance acoustic insulation separating wall formed by:

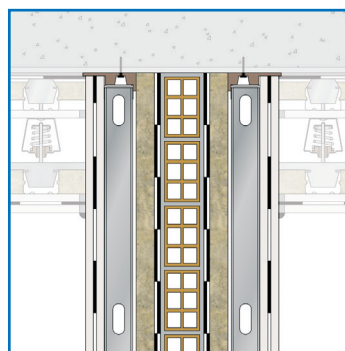
Double hollow ceramic brick wall plastered on both sides with 1.5 cm of plaster; independent wall to each side composed of multilayer insulation for low, medium and high frequencies 40 mm thick, SONODAN® PLUS SELF-ADHESIVE; 50 mm

plasterboard structure, 12.5 laminated gypsum board placement fixed to the structure by means screws; 4 mm thick Danosa Acoustic Membrane, M.A.D.® 4 stapled to the first board; fixing to the structure of the second plasterboard of 12.5 mm thickness by means screws, fully sealed and installed, ready to apply the finishing.

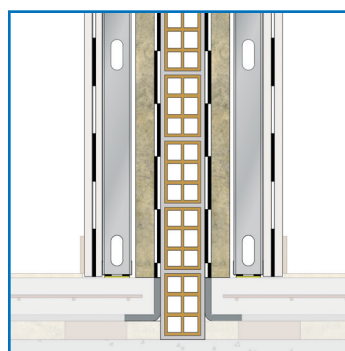
GRAPH



CONSTRUCTION DETAILS



Junction of separating wall with roof



Junction of separating wall with floor