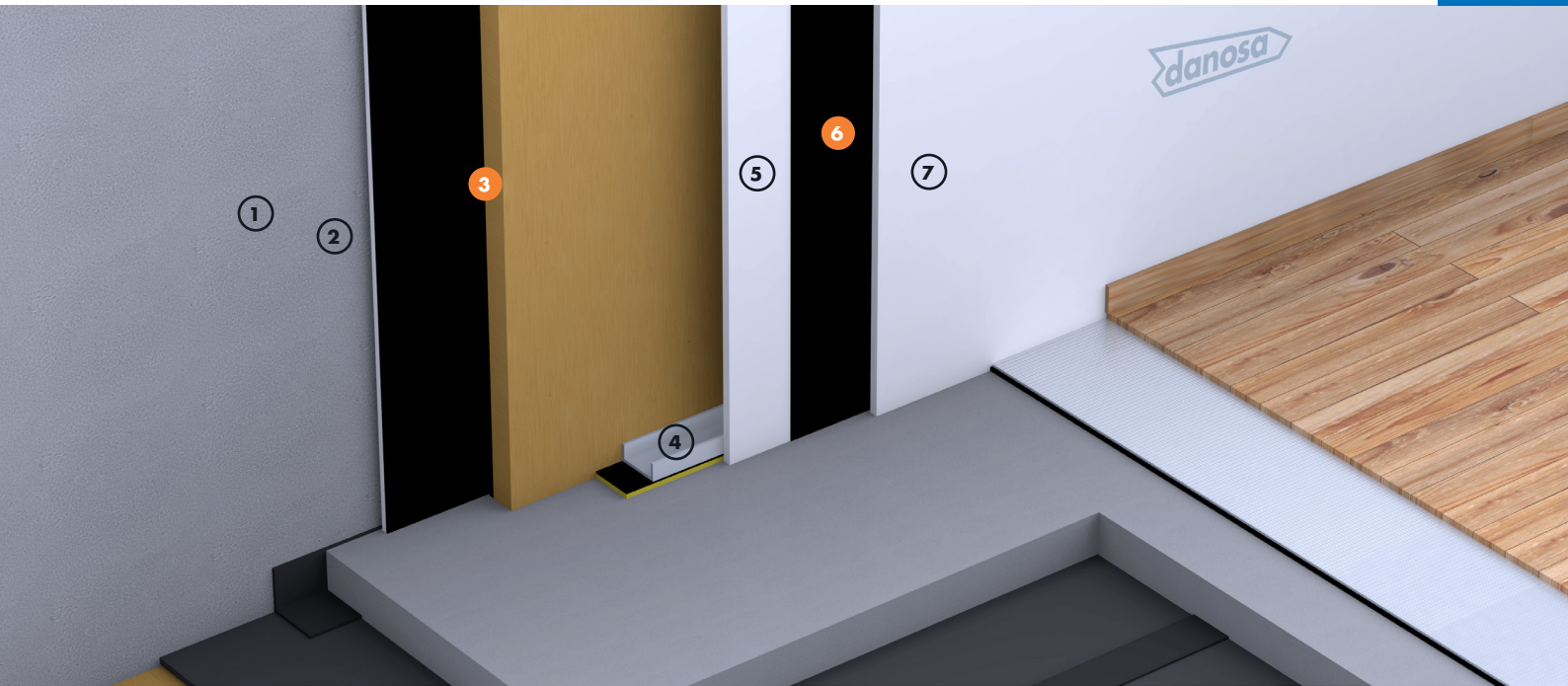


INDEPENDENT WALL FOR MUSICAL PREMISES OR SOUND EMISSION > 90 dB



TRA3

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



NOISE PROTECTION SONODAN® PLUS

NOISE PROTECTION M.A.D.®

ADVANTAGES

- Airborne noise insulation achieved at $R'_{A,fr} > 67$ dBA, giving sufficient isolation to meet the levels of emission in common areas.
- The plastering ensures the impermeability of the wall and its acoustic tightness.
- Combined absorption into cavity at low, medium and high frequencies.
- Insulation to low frequency impulse noise.
- The resonance frequencies of the system are shifted to less audible frequencies.
- The acoustic membrane improves the insulation at low frequencies of the plasterboard system.
- Its acoustic insulation capacity can be improved by increasing the thickness of the chamber.
- Light system providing better results, with low thickness and faster execution.

APPLICATION AREAS

- Machine rooms in residential buildings: hotels, hospitals, teachers and offices
- Music venues: pubs, karaokes, discos, party rooms, wedding halls...
- Music recording studios

LEGEND

Independent wall:

- ① Facade enclosure
- ② Plastered 1.5 cm
- ③ Acoustic insulation SONODAN® PLUS Self-adhesive
- ④ Plasterboard structure
- ⑤ 12.5 mm plasterboard
- ⑥ Acoustic insulation Acoustic Membrane Danosa M.A.D.® 4
- ⑦ 12.5 mm plasterboard

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TECHNICAL DETAILS

Function	Product	Description	Property	Value
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 rock wool	R_w	Between 52-65 dB
Anti-resonant acoustic insulation	M.A.D.® 4	High-density membrane	ΔR_w between rigid elements	4 dB

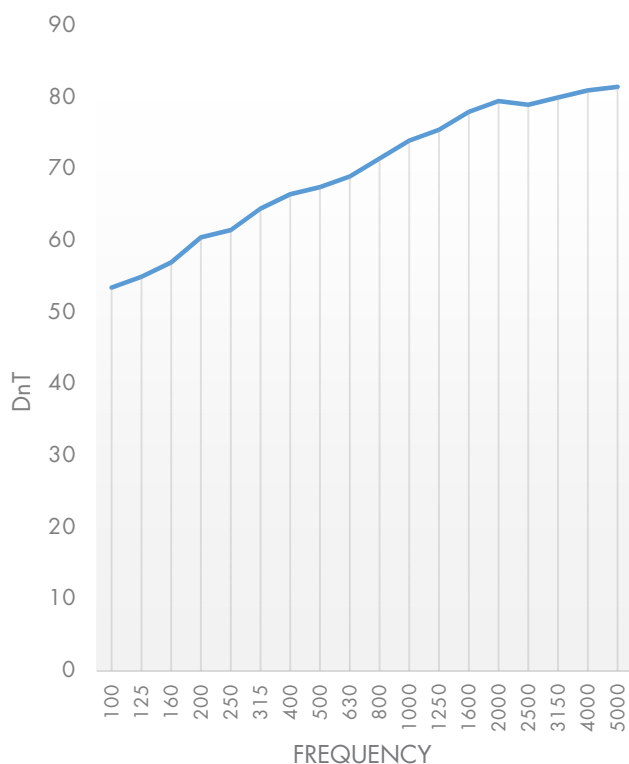
Note: This sheet is included in an acoustic box-in-box system.

APPLICATION METHOD

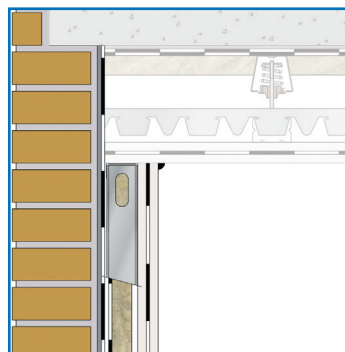
Multilayer insulation for low, medium and high frequencies of 40 mm thickness, SONODAN® PLUS SELF-ADHESIVE mechanically fixed to the plastered wall with insulation fixings of 40; 50 mm plasterboard structure, 12.5 plasterboard placement fixed to the structure by means screw and sealed;

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

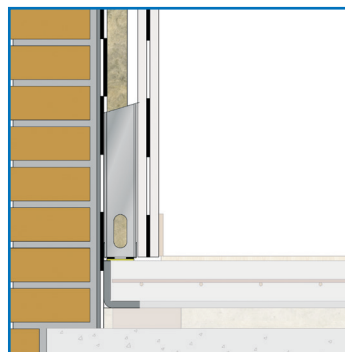
GRAPH



CONSTRUCTION DETAILS



Junction of independent wall with roof



Junction of independent wall with floor