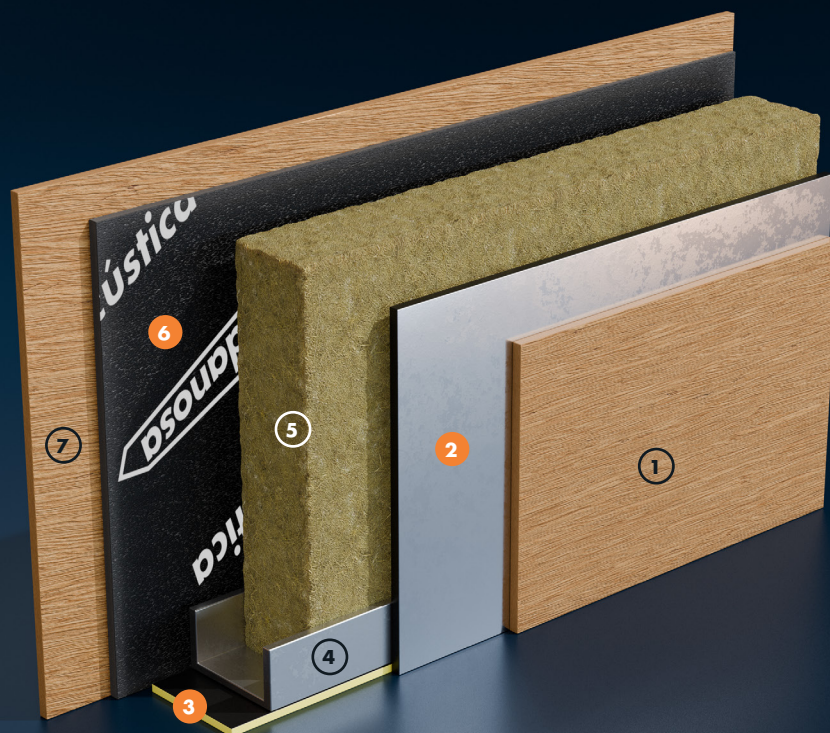


LIGHTWEIGHT PANEL PARTITION

Acoustic insulation: High-density acoustic membrane



NOISE PROTECTION M.A.D.® PRO 100

ADVANTAGES

- Lightweight system with an improved structure that reduces its critical frequency.
- Acoustic membrane with excellent performance and fire compartment Bs1d0.
- M.A.D. PRO patent registration number 24383405.8.
- Good flatness, with lower thickness and faster execution time.
- Absorbent to mid and high frequencies.
- The acoustic band improves the sound performance of the partition.
- Its thermal and acoustic insulation capacity can be increased by increasing the thickness of the structure and rock wool.

APPLICATION AREAS

- Auditoriums, theaters, music schools: teaching classrooms.
- Public buildings such as hotels.
- Educational buildings: schools, universities, nurseries.
- Administrative and corporate buildings.

LEGEND

Partition wall:

- ① Lightweight panel
- ② Acoustic insulation M.A.D.® PRO 100
- ③ Acoustic insulation FONODAN® 70
- ④ Channel for metal framing
- ⑤ Mineral wool acoustic insulation
- ⑥ Acoustic insulation M.A.D.® PRO 100
- ⑦ Lightweight panel



TECHNICAL PRESCRIPTIONS

Function	Product	Description
Antiresonant acoustic insulation	M.A.D.® PRO 100	High-density aluminized bituminous sheet.
Anti-resonance and damping acoustic insulation	FONODAN® 70	Cross-linked polyethylene foam and high-density membrane.

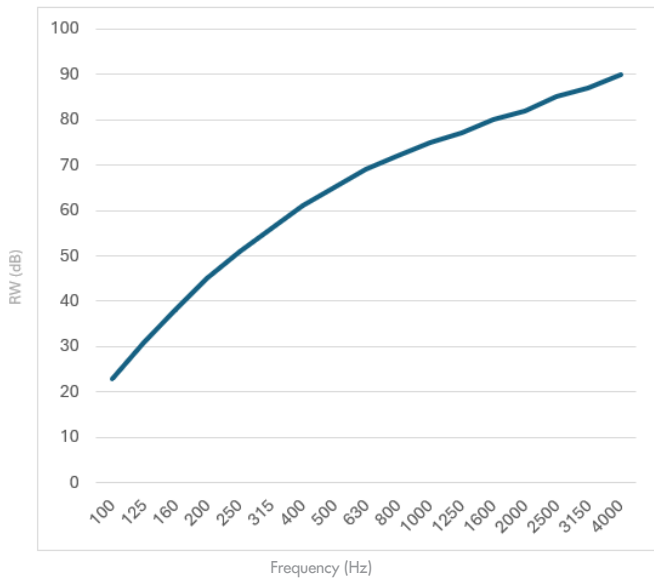
APPLICATION METHOD

Lightweight panel partition made of:

Metal framing channel on bicomponent anti-resonance self-adhesive strip FONODAN® 70, placed peripherally on the cladding structure. 15 mm wood panel placed on the metal

structure, over acoustic membrane finished in aluminized film of 10 kg/m² and 5 mm thickness M.A.D.® PRO 100, installed on the internal face of the panel before its installation, Placement of absorbent material (e.g., mineral wool).

GRAPH



CONSTRUCTION DETAILS

