



APPLICATION INSTRUCTIONS

Enermax, superior acoustic insulation

Activating your soundproof system

Ceiling Installation

- .1 Fill 75% of the available space between the floor beams with soundproof insulation wool. Use acoustic mineral wool for best results.
- .2 Install resilient bars perpendicular to the floor beams every 16" centre if installing one layer of gypsum board, or on 12" centre if two layers of gypsum are planned.
- .3 Fasten the Enermax structural board — with aluminum skin side facing you — onto the resilient bars using 1 1/4" screws at 12" intervals. Make sure screw heads do not pierce the aluminum skin as this would diminish air tightness of the system.

Cover all panel joints with aluminum foil tape or red acrylic coated polypropylene tape, e.g. "Tuck 20502" tape.

Seal perimeter of surface and all wall obstructions with acoustic sealant.
- .4 Install gypsum* as per manufacturer instructions. Remember to stagger the joints if installing 2 layers.

Wall Application

See overleaf or consult our technical guidebook to determine the desired sound transmission class rating (STC). The National Building Code (A-9.II.I.I.) requires a minimum STC of 50 for multiple unit apartment buildings.

The same basic installation principles apply, regardless of STC considerations.

- .1 Fill the space between the framing studs with soundproof insulation wool (mineral wool recommended).
- .2 If installing resilient bars, apply horizontally, i.e. perpendicular to the framing studs, every 16" centre with the movable section pointing up.
- .3 Fasten the Enermax structural board — with aluminum skin side facing you — onto the flexible furring strips using 1 1/4" screws at 16" intervals.

Make sure screw heads do not pierce the aluminum skin, as this would diminish air tightness of the system.

Cover all panel joints with aluminum foil tape or red acrylic coated polypropylene tape, e.g. "Tuck 20502" tape.

Seal perimeter of surface and all wall obstructions with acoustic sealant.
- .4 Install gypsum* as per manufacturer instructions. Remember to stagger the joints if installing 2 layers.

* Usage of type X gypsum (5/8") will increase STC system performance