HOME THEATER NOISE CONTROL: RETAIN THE EXPERIENCE™

Adding noise control—before the walls and floors of your theater are constructed—will prevent outside commotions from disrupting your experience. And, at the same time, the theater’s audio won’t bother other members of your household.
WALL ISOLATION

1. ISOMAX
   Prevents noise from entering an adjacent space while inhibiting structure-borne vibration.
   These products provide the optimum solution for household vibration disturbances. They do not treat side-to-side noise.

Walls: What’s the difference?
IsoMax (1) is often the all-in-one solution. However, in certain construction situations, isolated wall products (2,3,4) may be necessary. Contact Kinetics for more information.

2. CWCA
3. WALLMAT
4. UNIBRACE L

NOISE CONTROL / REMOVING THE RIGID CONNECTIONS

CEILING ISOLATION

Ceiling hangers resiliently detach drywall from the joist, preventing noise transfer.

5. ICW WAVE HANGER (NOT SHOWN)
6. ISOMAX (NOT SHOWN)

FLOOR ISOLATION

Resiliently detaches subfloor from the finished floor.

7. RIM

ADDED ISOLATION

7. ISOBACKER
   Wraps the back of utility boxes to hamper noise flow.

8. ACOUSTIC DOORS/SWEEPS
   Prevents noise leakage from theater.

9. SOUND DAMP2
   When added between drywall layers, this tightens bass and dissipates vibration.
CEILING & FLOOR TREATMENT
Resiliently detaching building components such as drywall, flooring, and joints impedes noise and vibration from traveling through the assembly. Generally: the more resilient the element, the better the noise control.

CONTROLLING NOISE THROUGH CEILINGS
Products separate the mass of the flooring above from the drywall below. Forcing airborne noise through a resilient element greatly hinders its ability to break out in either direction. Further, the element prevents impact noise from above.

ISOLATED FLOORS
In the theater, isolated floors prevent subwoofer and speaker vibration from traveling throughout a house. When installed above a theater, isolation acts as a noise control barrier.

ICW
This highly resilient coil spring hanger mitigates full-frequency airborne noise and footfall.

WAVE HANGER
Low profile leaf spring hanger.

ISOMAX
Easy to install neoprene hanger.

RIM
Engineered isolators create a true airspace key to high performance noise and vibration control.

ULTRA QUIET SR
A cushioned, continuous underlayment.

ISOLAYMENT QT
A low profile, rubber mat.
The testing results from airborne disturbance and ground tremor showed a 17Hz structural vibration. This force is so low that it is felt rather than heard. Based on these measurements, our engineers determined that the floor needed to be supported by springs.

In addition, the floating slab required venting, which ensured that the air stiffness under the slab didn’t interfere with performance. The walls and ceiling were then constructed on the slab, maintaining full room separation with IsoMax and isolated speaker boxes.

The walls and ceilings were built on an isolated slab.

Imagine trying to enjoy your home theater eighty feet away from loud, rolling freight trains. How do you stop vibration that is literally shaking the theater floor and walls? The short answer: You engage a company with more than sixty years of experience solving these problems.

SOUNDS OF LIFE / **A CLIENT STORY**

STOPPING NOISE FROM A NEARBY TRAIN
DUCT TREATMENT

Ducts can transmit noise to and from your theater.

1. In a theater room, Kinetics silencers prevent the entrance of fan noise and the exit of movie audio.
2. Thin walled ducts require mass to prevent noise from breaking into the space above. They should be wrapped with a high-mass decoupled layer of KNM.
3. Ribbon type diffusers are preferred for stopping airflow noise. For more information, contact an HVAC professional.

KINETICS STANDS OUT

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