

HOME THEATER

Noise Isolation, Soundproofing & Accessories



Are you concerned about the sound that's leaving your home theater? Or noises from above that interrupt your viewing?

Sounds from your home theater (or footsteps from above) can travel through your home as vibrations – which re-radiate as noise in other rooms.

Kinetics isolators control these vibrations.

The application of Kinetics sound-isolation products, matched with proper construction designs, can greatly reduce sound transmission through your ceilings, walls and floors.

(Please contact Kinetics for application engineering assistance)

WHY KINETICS NOISE CONTROL?

Since 1958, Kinetics Noise Control has been a world leader in solving problems with unwanted sound and vibration, working in the broadest range of markets of anyone in our industry. Markets include: HVAC Vibration Isolation, Architectural Noise Separation, Industrial Systems, Seismic Restraints, Interior Room Acoustics, Pro Theater and Home Theater markets.

HOW CAN KINETICS PRODUCTS HELP?

Pick up any home entertainment magazine and or book on home theaters and you'll read phrases like "meticulously done," "dedicated home theater," and "perfectly balanced room." **It's obvious that home theaters are no longer an extra television set and a recliner in the basement. This makes airborne and impact noise major concerns for home theater owners.** Conventional construction of walls, ceilings and floors are inadequate in controlling unwanted sound.

While most people understand some form of "sound proofing," Kinetics products go far beyond adding extra drywall and sound panels to a room. In this brochure, you will find a wide array of products that truly "isolate" or "decouple" the theater and its components from the home construction. This means that the theater is no longer structurally attached to the home, greatly reducing the sound and vibration emitting from the room. Products include: **Floor, Wall and Ceiling Isolation Systems, Door Treatments, Equipment Isolation, HVAC Silencers** and much more.

SO HOW DO YOU CREATE THE ULTIMATE IN HOME THEATER EXPERIENCE WHILE KEEPING THE REST OF THE HOME QUIET AND ALL OCCUPANTS HAPPY?

You start with a "Room-Within-a-Room" isolation package.

ROOM-WITHIN-A-ROOM TOTAL ISOLATION PACKAGE

Separate or "**ISOLATE**" the HOME THEATER from the entire house with **3 easy steps!**



STEP 1 - FLOOR

START YOUR **ROOM-WITHIN-A-ROOM** PACKAGE BY CREATING A FOUNDATION FOR YOUR ROOM WITH A KINETICS FLOOR TREATMENT. THE **MODEL RIM FLOATING FLOOR** "FLOATS" THE ENTIRE ROOM.

STEP 2 - WALLS

"**ISOLATE**" YOUR WALLS FROM THE REST OF YOUR HOME WITH A KINETICS' WALL TREATMENT, SUCH AS THE **MODEL CWCA CEILING AND WALL CONNECTION ASSEMBLY - SWAY BRACE**.

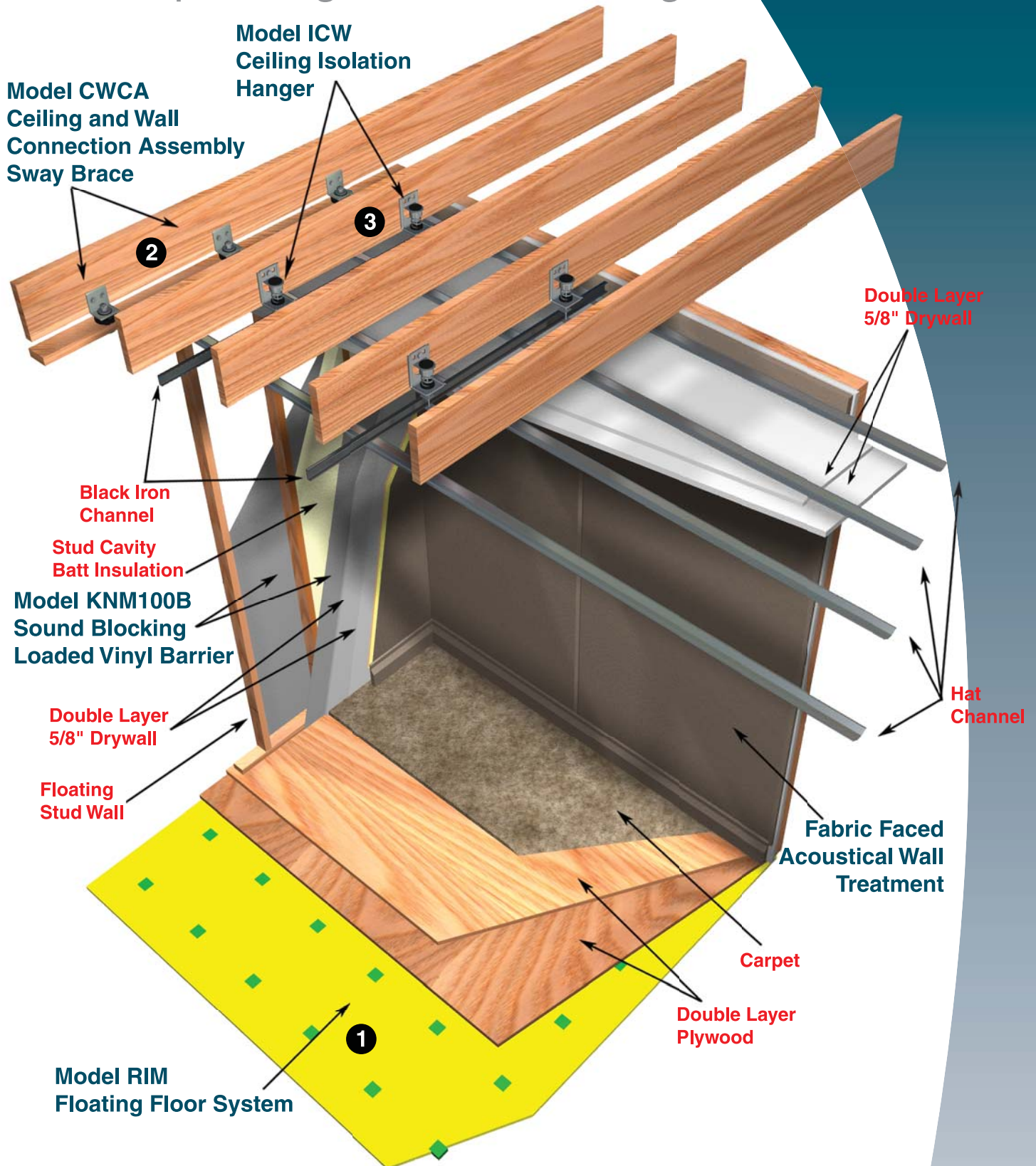


STEP 3 - CEILING

"**ISOLATE**" YOUR CEILING FROM THE ROOM ABOVE WITH KINETICS' CEILING TREATMENT, SUCH AS THE **MODEL ICW ISOLATION HANGERS**.

KINETICS NOISE CONTROL

Total Room-Within-a-Room Soundproofing Isolation Package



Items in **RED** are to be supplied by contractors

Floor Treatments



RIM - Floating Floor System

Isolate Floor From Structure. The RIM floating floor system is the foundation for the "Room-Within-A-Room" package. It acts as a low frequency bass absorber, reduces the transmission of low frequency output into the surrounding structure and isolates the stud wall from the structural floor. The roll-out system consists of factory engineered 1" thick, high density, precompressed molded fiberglass isolation pads separated and spaced by low density acoustical fiberglass that provide uniform deflection. Typical structural requirements call for two layers of 1/2" AC or 3/4" plywood installed directly over the isolators. Comes in 4' x 25' or 50' rolls.

KIP - Floating Floor Pads

Additional Pads to support stud plate and high load areas. Used in conjunction with RIM Floating Floor System, these individual pads are placed directly under the stud wall and high load areas. Kinetics' fiberglass isolation pads consist of a high density matrix of precompressed molded glass fibers coated with a flexible elastomeric membrane. Pads come 2" x 2" x 1" in size.



PIB - Perimeter Isolation Board

Decouple RIM floor from wall. Used in conjunction with RIM Floating Floor System. Perimeter isolation board material is installed around edge of floating floor to horizontally isolate floating floor from stationary structure. Polyethylene foam 2-1/2" H x 3/4" W.

NAF-10 Stud Wall Isolation Plate

Isolate stud wall, when not floating floor. Isolates stud wall from floor when not using Kinetics RIM Floating Floor System. For use with CWCA sway brace. The plate is made of a high density matrix of precompressed molded glass fibers coated with a flexible elastomeric membrane. It comes in 7/16" thick x 4" wide x 48" long strips. Two caps and bushings included per plate.



Wall Treatments



CWCA - Ceiling and Wall Connection Assembly -Sway Brace

Isolate stud wall by decoupling stud top plate from ceiling joist. The CWCA isolates and supports the stud wall from the floor joist above while providing a 360 degree attachment capability. CWCA are positioned 12" in from each corner on the top stud plate and a maximum of 4' through out the balance of the wall. The CWCA requires 1" to 1-1/2" clearance between top stud wall plate and bottom of floor joist above. Bracket size 4-1/2" high x 3-1/2" wide x 3" deep.

KWSB2 - Wall Isolation Sway Brace

For use on walls over 11'. These sway braces are used in conjunction with the CWCA Sway Brace on walls over 11' high for additional lateral support (not necessary on walls under 11'). KWSB isolates and supports the stud wall from the existing structure. It also helps to curb lateral sound transmission. KWSB consists of two interlocking formed metal brackets, separated with a bi-directional ribbed isolation pad, it comes 3" W x 3" L x 1.5" thick.



IsoMax - Drywall Isolation Clip

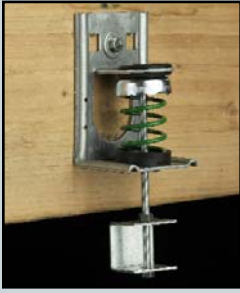
Isolate Drywall from wall studs or ceiling joists. Used to isolate or decouple drywall from the existing stud wall or ceiling joist. Isolating the drywall will reduce low frequency vibration from traveling through the wall and ceiling surface. Twenty (20) gauge drywall hat channel is snapped into the clip and two layers of 5/8" drywall is attached to the hat channel. Hat channel and drywall supplied by others. Clip size is 1" w x 3-15/16" L x 1-1/8" D. Acoustical Performance: STC = 61.

Loaded Vinyl Barrier

1 PSF- Add mass to block sound transfer through walls, ceilings, and floors. By adding mass this product will greatly reduce sound transmission outside of the room. With Kinetics' 1/8" thick barrier material, you can effectively increase wall mass without noticeably increasing wall thickness. Rolls are 54" wide. Sold by LF, 30' roll or 60' roll. Acoustical Performance: STC = 27.



Ceiling Treatments



ICW - Ceiling Isolation Hanger

Isolate drywall ceiling from walls and floor above. Minimize impact and low frequency sound transmission outside of the room by independently suspending the ceiling. ICW's are designed for easy installation in wood frame construction. The unique design allows the isolator to be placed on the joist, thus minimizing the reduction in ceiling height by an average of 2-1/2". The spring is precompressed to ensure proper alignment and installation and ships complete with leveling bolt and channel bracket.

AF - Grid Ceiling Isolation hanger

Isolate drop ceiling from structure. Hangers are specifically designed as a noise stop isolator for use in standard T bar wire supported, suspended grid ceiling systems. Hanger consists of a spring isolator, encased in an anti-short circuit, reinforced steel bracket. Overall measurement is 4-3/4" high x 2-3/16" wide.



Embassy Ceiling Panels

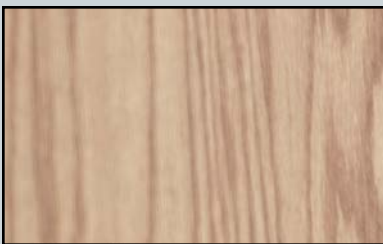
Block and absorb sound. Fabric covered drop ceiling panels are used with a standard ceiling grid. Embassy tiles greatly reduce sound transmissions as well as provide excellent sound absorption. Constructed with a 1/2" thick gypsum board sound barrier and a 1" thick fiberglass absorber faced with fabric. Available 24" x 24" and 24" x 48" sizes. Acoustical Performance : NRC = 0.80

QuietTile

Composite drop ceiling tile designed to reduce sound transmission. QuietTile are installed in a standard grid ceiling and can be selected to match most acoustical ceiling tiles. QuietTile consists of a standard ceiling tile bonded to a 1/2" gypsum board sound barrier. Available in 24" x 24" and 24" x 48" sizes



Door Treatments



Kinetics Acoustical Door

Stop sound transfer from one room to another. More effective than a solid core door. The Kinetics acoustical door is constructed with 1/4" unfinished poplar or oak wooden skins encapsulating a combination of barrier material and selectively chosen absorbers for the purpose of chamber sound absorption and diaphragmatic barrier motion control. The door provides 4-1/2" wide verticle solid wood frames for mortising hinges and cutting a door handle. Standard door size is 1-3/4" x 3'0" x 6'8". Provided non hung or pre hung. Custom sizes and other wood species can be special ordered, consult factory.

Zero Door Bottom Sweep and Saddle

Mechanical sweep compression sealed to saddle. The seal of the ZDSW automatically springs up when door is opened, clearing carpet height. Mechanically lowers when door is shut, acoustically sealing off door bottom. Standard size is 36".



Zero Door Seals

Seals gaps on sides and top of door. Seals are used to stop unwanted sound from traveling through open areas around your door and frame. Standard size is 36", 48", and 80" lengths.

Specialty Wall Products



1", 2", and 4" Stealth Diffusers

Diffuse and scatter sound waves. Rather than absorb sound, diffusers reflect and scatter the sound wave to make several weaker redirected reflections. Our stealth diffuser utilizes the same theory of diffusion as used on a stealth fighter jet. The low cross section shapes and lack of 90 degree angles cut down on direct reflection of sound waves. Available uncovered 20-1/2" x 44-1/2" x 3/4", 1-9/16", as well as, 3/4" thick, edged in a wood frame, sizes up to 4' x 10' wrapped in choice of fabric.

2" Barrel Diffuser

Diffuse and scatter sound waves. Wall diffusers are used to tame a rooms reflective properties without making the room too dead. Instead of absorbing sound, diffusers reflect and scatter sound waves, making several weaker reflections rather than one large reflection. Available uncovered 21-1/4" x 42-3/4" x 1-9/16" or edged in a wood frame wrapped in choice of fabric 24" x 48" x 2".



Channel Line Diffuser

Diffuse high frequencies. These attractive panels are designed using quadratic theory to create a series of channels of varying depths in sound reflecting hardwood surfaces. Designed to scatter high frequencies and control unwanted flutter echo. Manufactured from 4" wide hardwood planks that are grooved in a sequence of sound scattering wells of varying depths. Installed side by side so the sequence of wells repeats itself across a wide area. Available 4" wide by up to 96" in length by 1" deep.

Miscellaneous Absorption Products

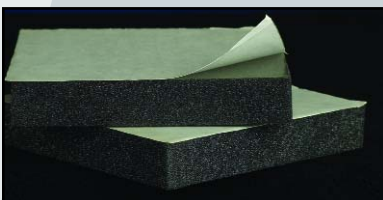


Multipurpose Acoustical Wall Panels

Affordable 2" acoustical panel to be used on out of sight areas. Versatility and affordability make this absorber a perfect solution for many reverberant noise problems. A low cost solution for an equipment room or behind false walls. Constructed of 3 pcf fiberglass and encapsulated in a tuned film facing. Available 2" thick and panel sizes up to 48" x 96". Can be wrapped in silver or white. Acoustical Performance, NRC = 0.95.

Foam Barrier Composite

Absorb and block sound. Constructed of a limp, flexible, noise barrier material laminated to Kinetics urethane absorption foam. This composite offers the absorption benefits of our acoustical foam along with a barrier layer to limit sound transmission. Ideal for use in speaker cabinets, behind false walls or in noisy equipment rooms. 1 5/8" thick. Available by the roll 54" x 25', additional thickness available, consult factory. Acoustical Performance; NRC = 0.73; STC = 27.

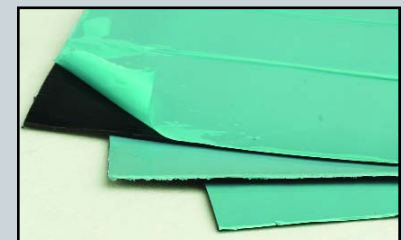


1" Acoustical Foam

Urethane absorber foam used where necessary to reduce sound reflections. Easy to cut with knife or scissors and can be attached by adhesives to most hard surfaces. Ideal for speaker cabinets. 54" wide and sold by LF or 50' rolls, with or without pressure sensitive adhesive. Acoustical performance NRC = 0.75. Additional thickness available, consult factory.

Utility Barrier Material

Block sound in small areas. 1/16" thick adhesive backed barrier used to add mass. Ideal for speaker cabinets and other small areas. Available in 35" x 53" sheets.



Miscellaneous Isolation Products



Isolation Mount

Control Vibration Transfer. This molded neoprene mount is used under floor or wall mounted equipment and transformers to control unwanted vibration. 1-7/8" x 3-1/8" x 1-1/2".

Isolation Pad

Ribbed Neoprene Pad. Provide shock and vibration isolation of objects from floor or cabinetry surfaces. This double-ribbed, neoprene pad material comes 3/8" thick x 18" x 18" and is easily field cut for multiple applications such as under subwoofers, under speakers in cabinetry, equipment rack feet, furnaces, etc.

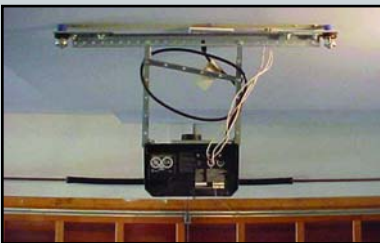


Neoprene Isolation Mount

Isolate equipment feet. Non-skid, vibration isolation mount can be used under items with feet such as equipment racks, subwoofers, washing machines, etc.

Resilient Acoustical Caulk

Seal connections. Flexible caulk used to seal connection gaps around floor, walls and ceilings of Room-Within-A-Room isolation. 20 oz. Caulk and Gun sold separately.



Quiet Lift Garage Door Opener Isolator

The patented Quiet Lift Isolation Package dramatically reduces the noise that is caused by your garage door opener. By isolating the header and the garage door opener's motor, you dramatically reduce the noise and vibration that is transmitted throughout your home by the garage door opener.

InJoist Duct Silencer

Quiet HVAC. Control unwanted HVAC noise from entering the home theater and minimize sound from transmitting through the home. Our InJoist Duct Silencer achieves broad band noise reduction while maintaining proper air flow and distribution. It requires little space because it is installed in the floor joist area, leaving zero loss of head space. Composition: 6" diameter inlet and exhaust flanges with a solid outer casing of commercial gauge sheet metal. Its perforated metal inner lining encases an acoustical media for superior sound absorption. Standard size is designed for use with 10" floor joist positioned on 16" centers standard size: 13" w x 60" L x 9" H, 6" or 8" inlet. Custom sizes available, consult factory.



InLine Duct Silencer

Quiet HVAC. Acoustically this silencer performs much like our InJoist Duct Silencer, but the InLine Duct Silencer is round and requires additional space for installation. Standard size: 14" diameter x 36" length overall, including 6" or 8" inlet and exhaust flange. Custom sizes available, consult factory.

WHY KINETICS?

Since 1958, KINETICS has been a recognized innovator and manufacturer of engineered products that address vibration, noise control, and acoustical performance.

KINETICS has developed noise control and acoustical products to meet the special requirements of theaters, schools, churches, office buildings, industrial plants, auditoriums, hospitals, recording studios, cinemas, and media rooms.

KINETICS has installations worldwide, including the following renowned buildings:

- Albert Hall (London)
- Walt Disney Animation Studios (CA)
- Walt Disney Memorial Concert Hall (CA)
- The Juilliard School of Music (NYC)
- CNN Studios

KINETICS' broad engineering and professional expertise is incorporated into each home theater design. When you purchase a Custom Home Theater Acoustics solution from KINETICS, you're in good company.

Also from KINETICS Home Theater



Custom Home Theater Acoustics

Combine beautiful visual design and exceptional acoustic performance. See KINETICS' many choices in acoustical room treatments and designs.

Download both brochures on our website: www.kineticshometheater.com



Kinetics StretchTRAK

KINETICS' StretchTRAK system provides the ultimate in home theater design – combining form with function to create beautiful acoustics and style.



Perfecting Sound Quality for Over 50 Years

KINETICS NOISE CONTROL, INC.
6300 Irelan Place
Dublin, Ohio 43017-0655
U.S.A.

TOLL-FREE 800.959.1229
TEL 614.889.0480
FAX 614.889.0540
www.kineticshometheater.com