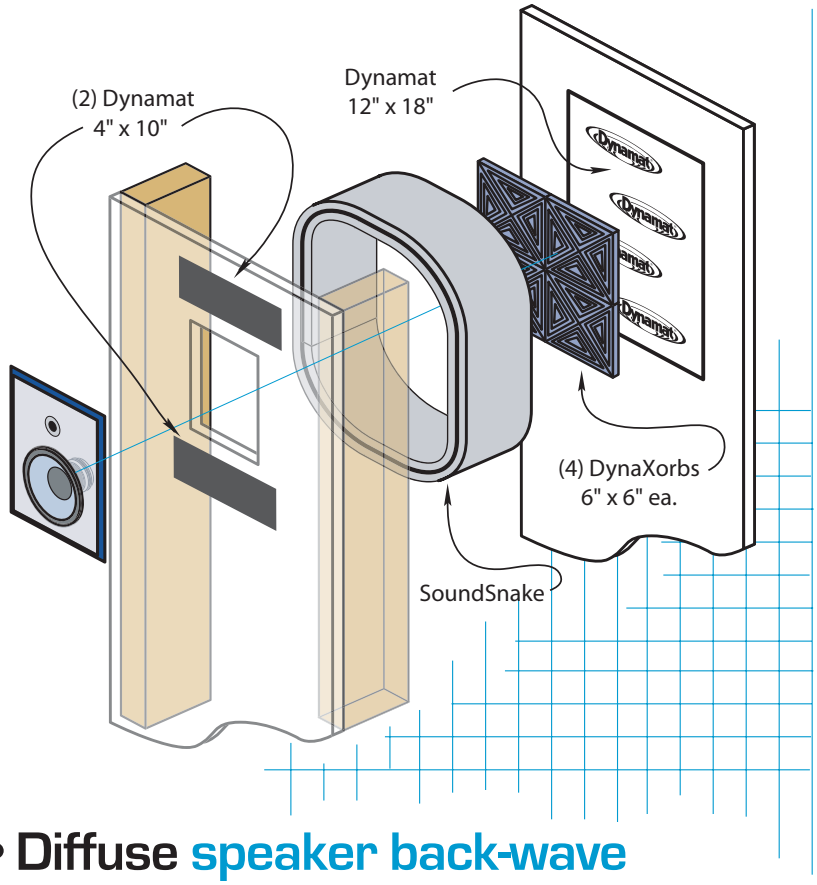
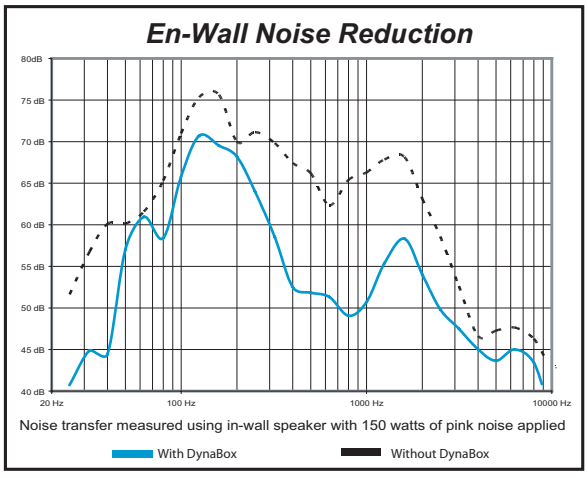
En-Wall™

Enclosure Systems



En-Wall Enclosure Systems combine Dynamat Xtreme, DynaXorb and the **SoundSnake** to damp, diffuse and decouple in-wall speakers. **En-Wall** significantly reduces wall vibration, projects more clear sound into the room and reduces unwanted noise transfer through walls. **En-Wall** encases in-wall speakers creating an optimal acoustic environment for delivering premium sound quality.

• Damp wall vibration • Diffuse speaker back-wave • Decouple speaker enclosure

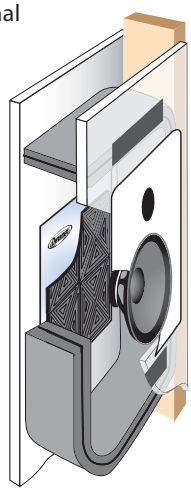


Stop Sound Migration!

An in-wall speaker sends the same sound at the same volume into the wall structure as it does into the theater room. This migrating sound can create annoying noise in adjacent rooms. **En-Wall** Enclosure Systems damp the vibration and decouple the structure. The results are dramatic (see graph). Isolating the theater room is now possible with **En-Wall** Enclosure Systems.

Get Better Sound From Every Speaker!

In-wall speakers have to operate in spaces of every size. Long, narrow spaces create sonic cancellations. **En-Wall** Enclosure Systems surround in-wall speakers with optimal acoustics that smooth and balance the frequency response.



(4" Wall Construction) Part #50504

Contains:
(1) 1.5" x 3.5" x 54" SoundSnake with Dynil
(4) 6" x 6" DynaXorb
(1) 12" x 18" Dynamat Xtreme
(2) 4" x 10" Dynamat Xtreme

(6" Wall Construction) Part #50506

Contains:
(1) 1.5" x 5.5" x 54" SoundSnake with Dynil
(4) 6" x 6" DynaXorb
(1) 12" x 18" Dynamat Xtreme
(2) 4" x 10" Dynamat Xtreme

DYNAMIC CONTROL
Hamilton, Ohio 45015 • 513-860-5094
www.dynamat.com

Dynamat®

Better Sound, Quieter Living

Part No. 2037

Component Specifications

Damp with Dynamat Xtreme

Appearance: Black butyl core with 4 mil aluminum constraining layer, self adhesive with release liner
Mass: 0.45lbs./ft.^{2} (2.20kg/m^2)
Adhesive Peel Strength: 42.6 lb./in. (74.8 N/cm)

Thickness: 0.067" (1.7mm)
Temperature Range (Optimal Performance):
14 ºF to +140 ºF (-10 ºC to +60 ºC)
Temperature Range (Resistance):
-65 ºF to +300 ºF (-54 ºC to +149 ºC)

Diffuse with DynaXorb

Appearance: Black polymer 6" x 6" square
Mass: 0.34 lbs. per 6" square (168 g per 152mm square)
Rebound Resilience: <15%Tensile Strength

Thickness: 1/4" (6.35mm)
Density: 69.6 lbs./ft^3(1120 kg/m^3)
Recommended Adhesive: super glue

Decouple with SOUND SNAKE

Dynil barrier between two layers of gray acoustic foam.

FOAM
Thickness: 1.5" (38.1mm) total
Mass: 0.16 lb/ft^2 (0.78 kg/m^2)
Density: 2.0 lb/ft^3 (0.125 kg/m^3)
Tensile Strength: 15 psi
Tear Strength: 1.9
Thermal Conductivity (R):
1.9 (hr-ft²-deg.F/BTU)
Standards:
Meets UL94 HF-1
Temperature Range (Resistance):
-40 ºF to +225 ºF (-40 ºC to +107 ºC)

DYNIL™
Appearance:
Black Flexivinyl Barrier
Color: Charcoal Gray
STC: 28
Mass: 1lb per square foot
Thickness: 0.09 inches
Temperature Range (Resistance):
-40 ºF to +220 ºF (-40 ºC to +105 ºC)
Standards:
Meets UL94-V0
Chemical Resistance:
Resistant to water and mineral oils

Installation

En-Wall kits are designed for easy retrofit or new construction

Before you start, make sure you have chosen the proper size of the En-Wall Kit based on your wall thickness (4" or 6").

For retrofit installation, first remove the in-wall speaker.

Prepare the surface by wiping the dust, dirt and debris from the area behind the in-wall speaker opening.

Place Dynamat Xtreme on a flat surface, and attach the DynaXorbs to the aluminum face with the provided super glue adhesive.

Fold the Dynamat Xtreme/DynaXorbs as needed to pass through the in-wall speaker opening.

Remove the release liner and attach the Dynamat Xtreme/Dynaxorbs assembly to the clean drywall making sure that it adheres properly. (Be careful not to drop the Dynamat Xtreme/DynaXorb in the wall cavity.)

Slide the SoundSnake through the hole and position one end against a wall stud. Insert remainder of SoundSnake to create a rounded corner enclosure (See picture on opposite side). Position the speaker wire behind the SoundSnake against the back wall. Finish by joining the ends of the SoundSnake together.

Install (re-install) the in-wall speaker.