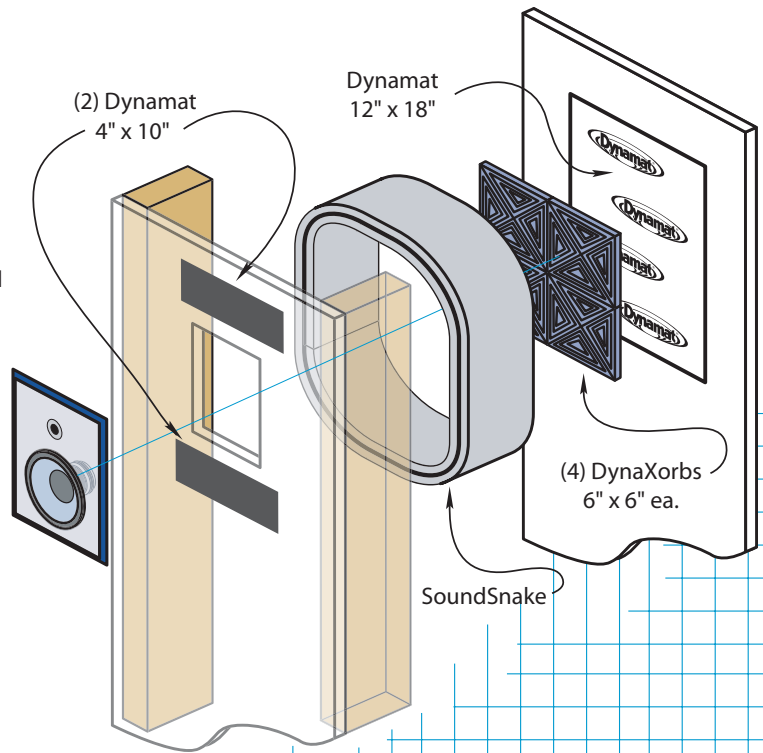


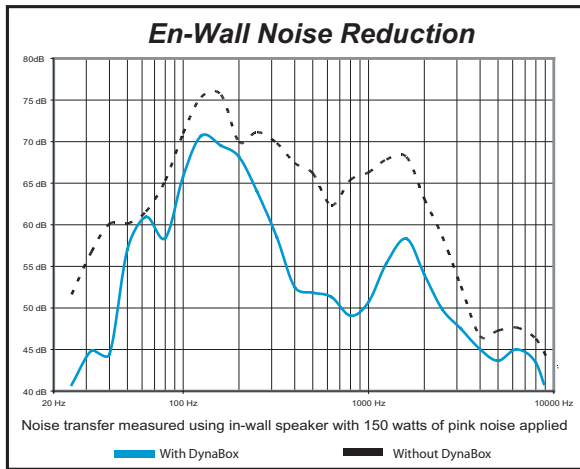
# En-Wall

## 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

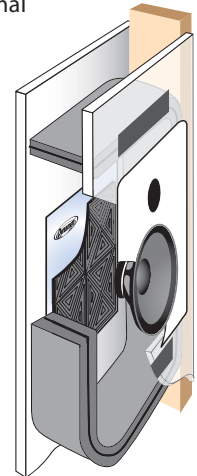
Contains:

- (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



# En-Wall™ Component Specifications

## Damp with

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

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

## Diffuse with

**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.<sup>3</sup> (1120 kg/m<sup>3</sup>)  
**Recommended Adhesive:** super glue

## Decouple with Dynil barrier between two layers of gray acoustic foam.

### FOAM

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

### DYNIL™

**Appearance:** Black Flexivinyl Barrier  
**Color:** Charcoal Gray  
**STC:** 28  
**Mass:** 1lb per square foot  
**Thickness:** 0.09 inches  
**Temperature Range (Resistance):** -40 °F to +220 °F (-40 °C to +105 °C)  
**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.