

Memtech Acoustical, LLC

Your Source for Noise Control Solutions

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Product Information



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Prospec Decibel Drop

- Decreases sound traveling to adjacent rooms
- Offers exceptional damping properties
- Superior performance in low frequencies
- Easy to install between drywall layers
- Class 1 fire-rated



PROSPEC Decibel Drop, a high-performance viscoelastic damping compound, decreases the sound traveling to adjacent rooms. It is easy to install between layers of drywall, plywood or subflooring in new and retrofit applications. PROSPEC Decibel Drop is ideal for use in commercial, broadcast/audio, home theater and multifamily interior spaces.

Material

PROSPEC Decibel Drop is a high-performance viscoelastic damping compound. It provides an economical solution for reducing sound transmission into adjacent areas. Each case contains 12 29-oz. cartridges.

Installation

- Use on walls, floors and ceilings
- Use in new construction or retrofit applications
- Apply 2 to 3 cartridges randomly over the surface of each 4' x 8' (32 sq. ft.) sheet of drywall; no troweling required
- Press drywall to first layer of drywall already installed and screw it to the studs
- Install on one or both sides of the wall
- See installation guide and technical data for more information

Sound Transmission

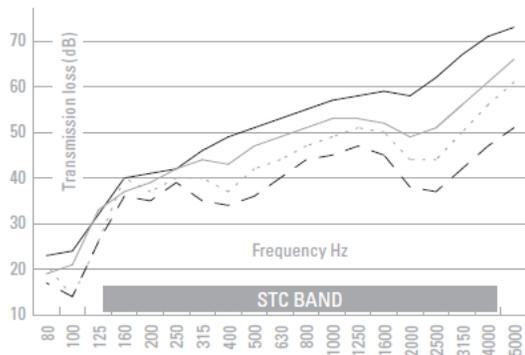
24" OC studs; R13 fiberglass insulation; drywall 5/8"; coverage: 2 cartridges/32 sq. ft.

STC	Studs	Sources Side	Receiving Side
50	Wood	2 layers of drywall with PROSPEC Decibel Drop	1 layer of drywall
54	Wood	2 layers of drywall with PROSPEC Decibel Drop	2 layers of drywall with PROSPEC Decibel Drop
57	Steel	2 layers of drywall with PROSPEC Decibel Drop	1 layer of drywall
62	Steel	2 layers of drywall with PROSPEC Decibel Drop	2 layers of drywall with PROSPEC Decibel Drop
57	Staggered wood	2 layers of drywall with PROSPEC Decibel Drop	1 layer of drywall
62	Staggered wood	2 layers of drywall with PROSPEC Decibel Drop	2 layers of drywall with PROSPEC Decibel Drop

Physical Data

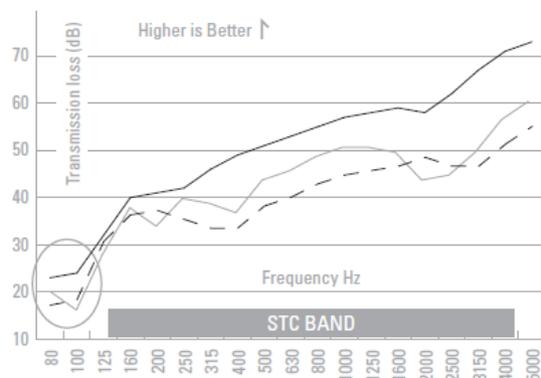
Fire Resistance	Class 1 per ASTM E 84
Flame Spread per ASTM E 84	15
Smoke Density per ASTM E 84	35

PROSPEC Decibel Drop's Effect on Wood Stud Wall Assemblies



- 1 layer of drywall on both sides
- 2 layers of drywall on both sides
- Side 1 with 2 layers of drywall and PROSPEC Decibel Drop, Side 2 with 1 layer of drywall
- 2 layers of drywall with PROSPEC Decibel Drop on both sides

The Superior Low-Frequency Isolation of PROSPEC Decibel Drop on Wood Stud Wall Assemblies



- PROSPEC Decibel Drop
- Soundboard
- Mass Loaded Vinyl