

CASE STUDY

WALLS SOUNDPROOFING WITH MASS LOADED VINYL

The Industry...

Development / Contractor & Builders

Condominium Builders

Barvista is a construction provider of single & multi-family homes and commercial buildings in the Colorado area. Barvista was embarking on a new development of condominiums in the heart of rocky mountains and needed to address one of the most common noise control issues found within multi family & condominium spaces: shared walls.

The Problem:

Building materials and how shared walls are built are very conducive to noise transmission problems. First the obvious is that walls are only so thick, approx 3 1/2 maybe 4 inches with studs and sheet rock. Due to the sheer thickness, sound will transmit through. The second problem is that noise travels by vibrating through construction materials. The sheet rock exposed to the noise is fastened to studs by screws and fasteners which also allow noise vibrations to travel through them. While insulation does have obvious soundproofing properties it's not enough for shared walls. Comfort level, privacy and overall quality of living are jeopardized by these types of noise transmission problems.

The Solution:

All Noise Control brought to the table our mass loaded vinyl sound barrier, often referred to "mlv". This weighted barrier has revolutionized soundproofing materials and essentially took the place of old fashion products like lead. Heavy, weighted products efficiently absorb the energy from sound waves therefore blocking noise from traveling through due to their density and weight.

Mass loaded vinyl barrier is affixed directly to studs preferably by an adhesive and sheet rock is applied over it. This barrier can also be used directly on joists directly beneath plywood sub floors to reduce noise traveling through ceilings and floors in shared residential and commercial areas. With multiple techniques available for installing, the ANC-VB60 was an obvious clear choice for Barvista.

Our ANC-VB60 comes standard in 54" x 30" rolls and Barvista purchased 70 rolls for their condominium build. The customers were absolutely pleased with the privacy and quiet that the new spaces had.

Due to the effectiveness of the ANC-VB60, mass loaded vinyl barrier, Barvista homes has placed several repeat orders with All Noise Control and is plans to implement and use on their future residential builds as a core soundproofing material & solution.

We invite you to call All Noise Control at 561-964-9360 to discuss the noise control materials supplied to this particular facility and are just as happy to listen to your individual needs and supply you with a customized All Noise Control Solution. You may also visit our mass loaded vinyl barrier page to see the soundproofing materials used in this application.