



Noise Reduction



TruProtect's components and their arrangement make it an amazing barrier to noise transmission.

Homes

Homes can be our refuge, but they can also be a source excessive, irritating noise. A media room in the basement, home entertainment center in the family room, dish washer in the kitchen, or a daughter playing the latest hit in her bedroom are just a few of the sources of noise inundating our homes. TruProtect installed in walls and ceilings can help contain sound where we want it and keep it out of places we don't want it.

Mike Jachs installed TruProtect in the ceiling of his basement. Of course he and his wife encouraged their son to practice his trombone, but now the entire family does not have the "joy" of listening to songs played over and over again.

Living closely together in cities makes quiet a precious commodity. People living in apartment complexes and condominiums usually have no choice in who their neighbors will be. TruProtect installed in exterior and partitioning walls can dramatically cut noise from adjoining neighbors. Owners of condominiums in a high-rise complex in

Las Vegas will be the beneficiaries of the quiet provided by TruProtect installed in partitioning walls.

Businesses

Privacy is often needed in buildings, such as the offices of lawyers, doctors, counselors, human resources departments, or board of directors meeting rooms. When we tell our physician about our health concerns, we don't want the patient in the adjoining room to listen in. When the board of directors discuss financial projections or upcoming projects, they need to keep the company secrets just that—secret.

United Super Markets included TruProtect in the remodeling of their executive offices for not only sound reduction but also to insure the privacy for their company officers and board of directors.

Ecology

Acoustic ecology, sometimes called soundscape ecology, is the relationship between living beings and their noise environment. The effect of intrusive sound on our physical and emotional health is well documented. Schools, offices, manufacturing plants, and homes using TruProtect as a sound block provide benefits to students, employees, and family members.

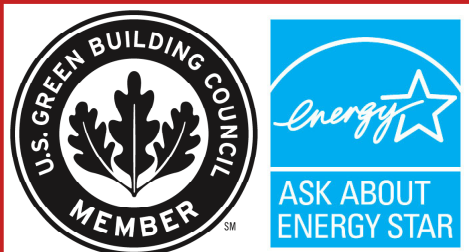


Installed during remodel of offices. Reduced noise and increased privacy and corporate security.



Acoustics Systems Acoustical Research Facility, Austin, Texas

- The tests were performed in accordance with ASTM E90-04.
- Sound Transmission Class (STC) is the single number rating of the effectiveness of a material or construction assembly to retard the transmission of airborne sound at frequencies between 125Hz and 4000Hz.. TruProtect's test results for its 1/2" thickness were an STC of 19.
- Outdoor-Indoor Transmission Class (OITC) is a standard used to indicate the rate of transmission of sound between outdoor and indoor spaces in a structure. It considers frequencies down to 80 Hz and is weighted more to lower frequencies such as that emitted by aircraft, trains, and truck traffic. TruProtect's test results for its 1/2" thickness were an OITC of 15.
- A second set of tests performed using TruProtect as part of a SWS317 wall assembly with a total assembly thickness of 8" had STC results of 51 and OITC results of 35.



TruProtect - Future Solutions Now!

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