SEALECTION™ 500

QUIET-S-WALLS™ SYSTEM - INTERIOR SOUND INSULATION

Hear The Difference

Quiet-S-Walls™System

A blasting stereo; a roaring plane engine; your neighbor's conversation. Can you hear it? Not with Sealection™ 500 open-cell spray foam insulation. Blocking out bad noise and locking in good sound is just one reason why Sealection™500 is a smart, effective way to insulate residential and commercial buildings. A design that sounds as good as it looks: now that's music to your ears.

Sound control where you need it:

- Commercial buildings
- Residential structures
- Media rooms
- Home offices

Sound Science

The millions of semi-rigid open cells in Sealection™ 500 insulation work to absorb sound waves at varying frequencies, making it possible to design cost effective walls and ceilings with a Sound Transmission Class (STC rating) of 50 or more. Houses, buildings, and rooms insulated with Sealection™ 500 all enjoy the benefit of protection against unwanted noise!

Design walls and ceilings that absorb sound with **Sealection™ 500** spray foam insulation.

NOISE

Today's hotels, condos, homes and apartments have a lot more to contend with than just noisy neighbors. New technology presents building designers with an even bigger challenge when it comes to noise prevention.

Because of this, it is neccessary to rethink the original STC 30-34 standards. By raising the transmission loss between rooms an additional 20dB, residents can get the peace and quiet once attained with the original STC 30-34 standard. Current research shows that an STC rating of 50 is a desirable noise level for condo type construction. Because people's noise perception doubles every 10dB, it takes a 10dB reduction to make a building 50% quieter and a 20dB reduction to make it 75% quieter.

The designer with peace and quiet in mind should use Sealection™ 500 spray foam for quiet comfort in any situation.

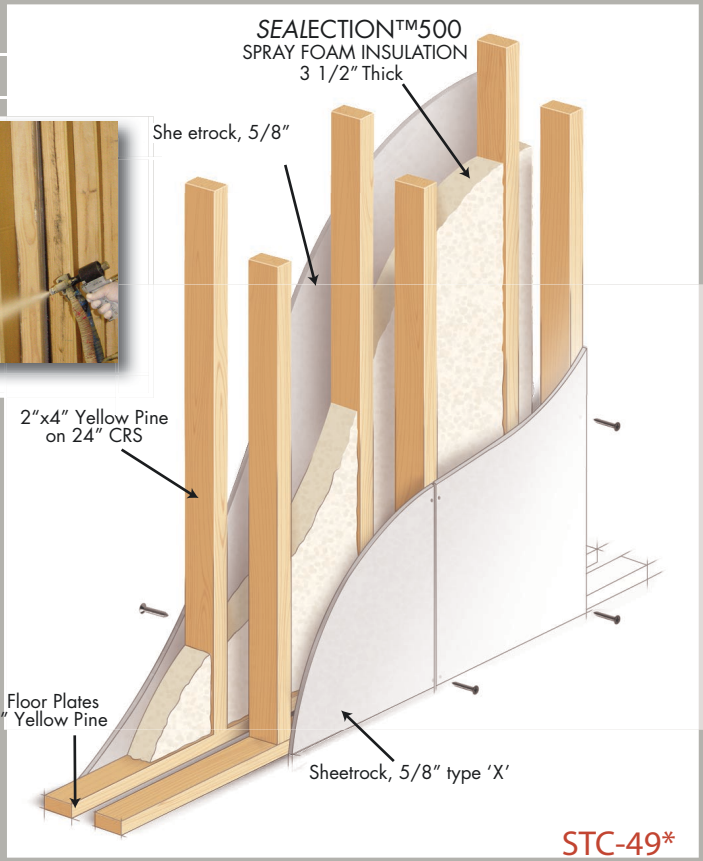
Achieve peace and quiet in your living environment with **Sealection™ 500**

Inside Quiet Design

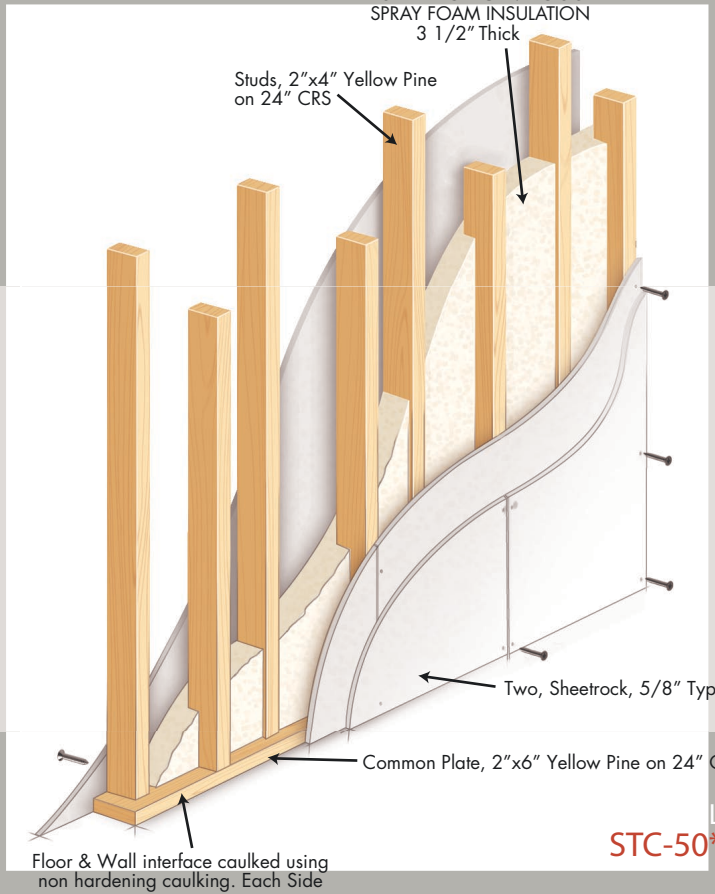
Sealection™ 500 Quiet Wall

With a STC rating of 50, our walls don't talk. Ceilings and walls were meant to absorb sound, not make it. This is exactly what Sealection™ 500 spray foam does. Versatile enough to use in both standard and nonstandard geometric designs like curved walls and odd-sized wall cavities, Sealection™ 500 is quiet design built right in.

To achieve the highest level of quiet-quality design, Sealection™500 spray foam should be applied by an Authorized Contractor in accordance with Demilec's InSEAL-Right Quality Assurance Program.



Spray Foam Insulation Properties
Density: 0.47 - 0.5 lbs/ft^3
Tensile Strength: 5.6 lbs/in^2
Closed Cell Content: 4%
Potential Heat of Combustion: 8600 BTU/lbs maximum



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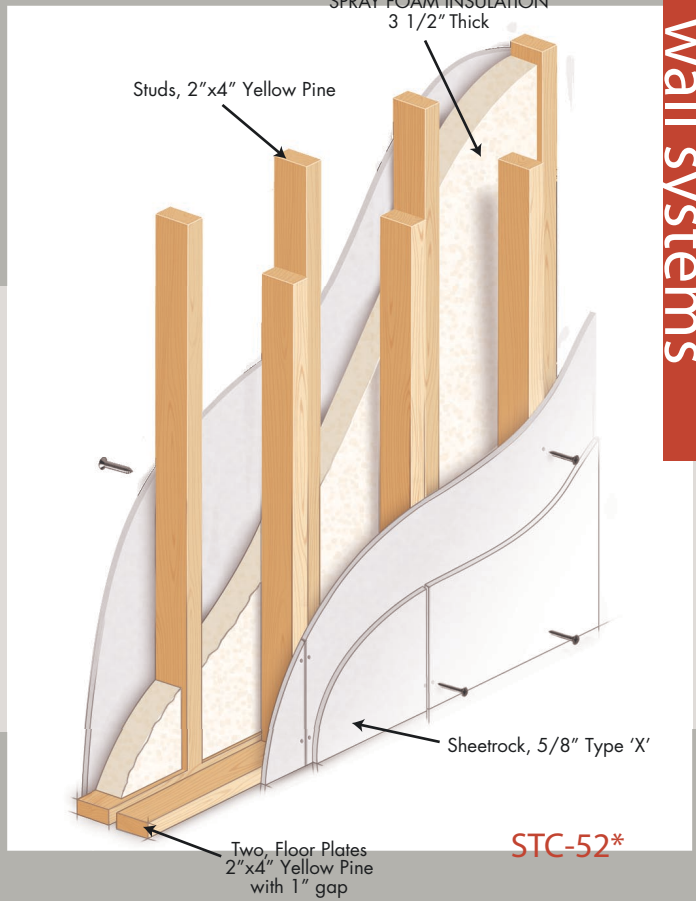
STC-50*



STC-52*

*Note: Accuracy of test is ±1 STC as verified by an acoustic consultant. Result can be S.T.C. 50

Note: The STC ratings specified above are only valid for Sealection™ 500 spray foam insulation manufactured by Demilec USA and applied by an Authorized Contractor.

Keeping Sound In Not Out

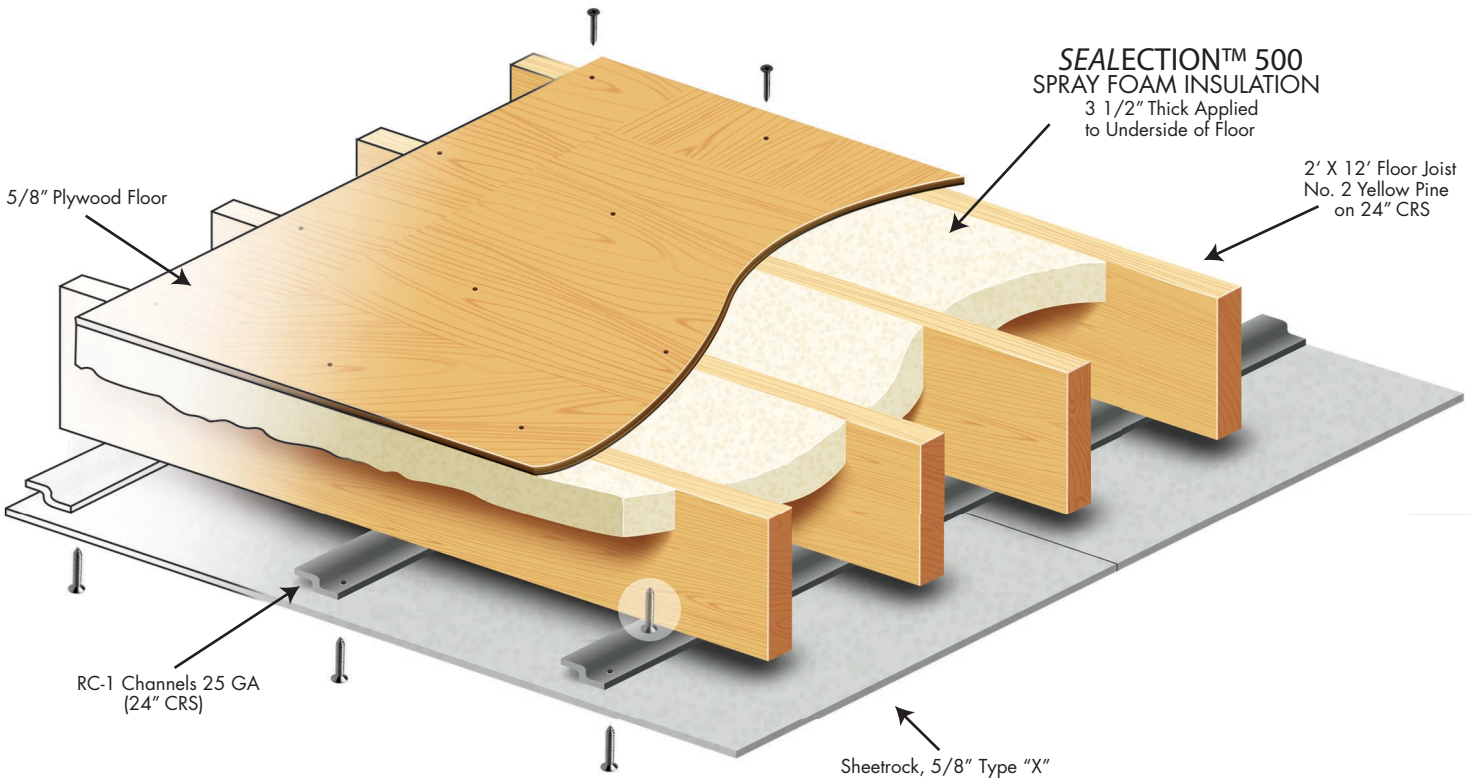
A fairly quiet room has between 30-50dB of background noise. A home theatre boasts of up to 100dB, which means your walls need a STC rating of 50 or more to give the rest of your home a little peace and quiet.

Typical wood stud construction using fiberglass insulation and 5/8" drywall on both sides has an STC rating of 27-34. A 100dB theatre system would produce an overwhelming 70dB of sound in a typical wood stud construction room. But a wall built with Sealection™ 500's Quiet-S-Walls™ System under the same sound conditions would produce a noise level of just 50dB, that's 75% quieter.

Quiet-S-Wall™ Systems using Sealection™ 500 spray foam will have a better performance at high frequencies than at very low ones. To isolate speech or TV sound, the actual perceived loss would be better than the nominal STC value at those frequencies. However, to isolate a subwoofer, the loss may be less than the nominal STC value may indicate.

So go ahead and crank it up a notch, just make sure your home theatre system has a Quiet-S-Walls™ System of its own.

At 100dB, a home theatre system is like a big-screen cinema experience. And just as loud. Sealection™ 500's Quiet-S-Walls™ System lets you enjoy the show while giving the rest of the house the option not to.



STC-50*

Spray Foam Insulation Properties
Density: 0.47 - 0.5 lbs/ft^3
Tensile Strength: 5.6 lbs/in^2
Closed Cell Content: 4%
Potential Heat of Combustion: 8600 BTU/lb Maximum

Note: The STC ratings specified above are only valid for Sealection™ 500 spray foam insulation manufactured by Demilec USA and applied by an Authorized Contractor.

Waver: While every attempt has been made to present, in this brochure, the proper and most accurate/available information, it should be recognized that it has been prepared for general information and guidance only and thus, does not imply or intend a guarantee or warranty. To receive information concerning any of our specific polyurethane systems, please contact the representative in your area.

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Smart Choice for Smart Minds!

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