AVLELEC
SOUNDMASKING PRIVACY

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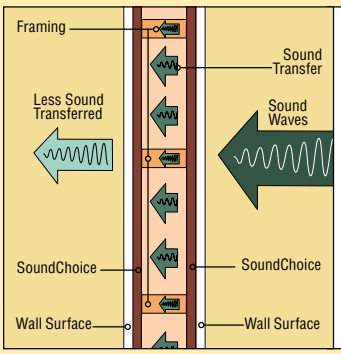

How SoundChoice® Works.

As sound waves strike a wall, sound energy is transferred through the wall surfaces, the framing and then to the air of the adjacent space. Less dense than other wall materials, SoundChoice interrupts and absorbs sound energy—slowing the transfer and reducing noise volume.

SoundChoice reduces noise from the next room, the next floor or next door.

The world is becoming increasingly noisy. More people are living closer together and sound sources are proliferating both inside and outside. SoundChoice® sound-deadening fiberboard is effective for reducing noise transfer from one environment to the next. In fact, the wall assembly shown above performs almost 50% better than an unimproved wall*. Lightweight, cost efficient and easy to install, SoundChoice can help deliver the sound solution you need to keep the peace between neighbors next door or relatives in the next room. Call us today and hear for yourself.

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PRODUCT CHARACTERISTICS	
Panel Sizes	½" thick, 4' x 8' with square edges
Density	15-20 pounds per cubic foot
Weight	0.73 pounds per square foot
Insulating Value	R=1.22 at ½" thick (ASTM Method C518)
Noise Reduction Coefficient	0.35 (ASTM Method C423)
Sound Transmission Class (STC)*	26 (ASTM Method E90)

The performance and properties of Temple-Inland SoundChoice as described above are derived from measurements under controlled test conditions. There are no expressed or implied warranties as to the performance under actual use conditions.

SIZES AVAILABLE	
Panels per unit	90
Square feet per unit	2880
Weight per unit	approx. 2140 lb.

***STC stands for Sound Transmission Class**, which is a measurement used to express the sound transmission loss through a wall assembly. An STC rating of 30 represents a sound transmission loss of 30 dB. Humans perceive a loss of 10 dB as a 50% reduction of sound. According to the Gypsum Association, an unimproved wall constructed of 2"x4" framing and ½" gypsum on both sides has an STC rating of 30. The same wall with ½" SoundChoice added to both sides has an STC rating of 39. Other assemblies highlighted here provide even greater performance.

No-Added Urea Formaldehyde: SoundChoice is a no-added-urea-formaldehyde material. It is manufactured with 100% southern pine wood chips and pre-jell corn starch as a binder.

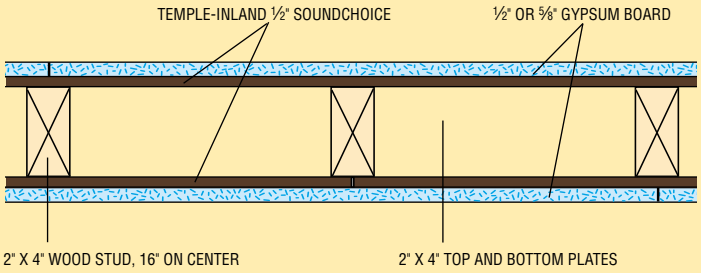
PARTITION WALL SYSTEMS

STC 39

Wood Framing: 2" x 4" studs, 16" on center, 2" x 4" top and bottom plates. Inner Material: Temple-Inland SoundChoice applied vertically both sides with 1½" galvanized roofing nails 12" on center on each stud, ½" from panel edges. Allow ⅛" gap at panel joints.

Outer Wall Facing: ½" or ⅝" gypsum board applied vertically with joints staggered relative to the inner fiberboard. Attach with 8d nails spaced 8" on center on each stud.

Wall Cavities: Empty.



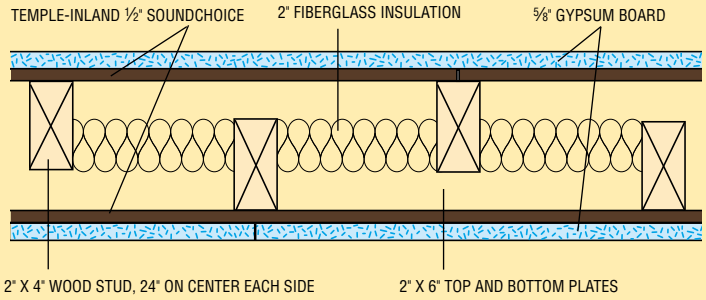
STC 56

Wood Framing: Staggered 2" x 4" studs, 24" on center each side of 2" x 6" top and bottom plates. Adjacent studs on alternating sides of top and bottom plates are 12" on center.

Inner Material: Temple-Inland SoundChoice applied vertically both sides with 1½" galvanized roofing nails spaced 12" on center at each stud, ½" from panel edges. Allow ⅛" gap at panel joints.

Outer Wall Facing: ⅝" gypsum board applied vertically with joints staggered relative to the inner fiberboard. Attach with 8d nails spaced 8" on center at each stud.

Wall Cavities: Lined with nom. 2" fiberglass insulation batts, friction fit.



STC 49

Steel Framing: 3⅝" metal studs, 24" on center, attached to metal top and bottom runners with ½" S-12 sheet metal screws.

Inner Material: Temple-Inland SoundChoice applied vertically both sides with 1" bugle head drywall screws spaced 12" on center at each stud, ½" from panel edges. Allow ⅛" gap at panel joints.

Outer Wall Facing: ⅝" gypsum board applied vertically with joints staggered relative to the inner fiberboard. Attach with 1⅝" Type S bugle head drywall screws spaced 12" on center at each stud.

Wall Cavities: Empty.