

T·A·P®'S SOUND-ABSORPTION PERFORMANCE SUPERIOR TO OTHER FIBROUS INSULATIONS



Thermal Acoustical Pest Control (T·A·P®) Insulation is very effective at absorbing undesired noise under intended attic conditions.



TAP® is composed of 87% de-fiberized newsprint: pre- or post-circulated newsprint which is reduced in size, then fed through a disc-mill whose exceedingly fine tolerances explode the fibers into a soft gray, cotton-boll-like substance. During this process we are pulling the wood-based fibers apart and exposing millions of pores and voids to the environment. These pores and voids can absorb a great deal of unwanted noise.

TAP® reduces outside noise such as airplanes, lawnmowers, and street traffic, helping to create a peaceful home. Insulated interior walls reduce annoying noise (toilets flushing and appliances running) inside a house. Because of the installation process, TAP® forms a perfect fit in your wall or attic, seeking nooks and crannies, filling the entire cavity. Unlike fiberglass insulation, it is never cut on the job site or stuffed into the cavity to fit behind pipes and conduits, reducing the R-value by allowing heat and noise to pass through.



A Completed T·A·P® Attic Job



TAPinsulation.com

The TAP® Sound Bucket eliminates the piercing alarm, demonstrating the superior sound absorption performance of TAP® Pest Control Insulation.

T·A·P® Helps Keep Bugs Out—And Comfort In!®

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Acoustical Property Specification for T·A·P®

Effectiveness in sound control is an important quality in insulation and TAP® performs well acoustically. Consumers often wish to insulate interior walls to reduce unwanted noise, such as appliances, televisions, and restroom sounds. When measuring sound-deadening abilities a laboratory rating dubbed Sound Transmission Class (STC) is used. The higher the STC number, the more sound is deadenedⁱ (see chart).

STC Rating	Description of Performance
30	Loud speech understood fairly well
35	Loud speech audible but unintelligible
42	Loud speech audible as a murmur
45	Must strain to hear loud speech
48	Some loud speech barely audible
50	Loud speech not audible

Both Owens-Corning and the Cellulose Insulation Manufacturers Association have tested their products for STC ratings. The insulations were tested installed in walls with an empty wall as a reference. An empty wall does impede some sound travel, and achieves an STC Rating of 35. Owens-Corning reports that their fiberglass insulation achieves an STC Rating of 39ⁱⁱ. Cellulose tops the others with an STC Rating of 44ⁱⁱⁱ.

ⁱ "TAP® Pest Control Insulation: Specifications" Charlotte: Cellulose Technology Group, Inc., 200.

ⁱⁱ "Noise Control Design Guide." Owens-Corning Fiberglass Corporation.

ⁱⁱⁱ Cellulose Insulation Manufacturers Association