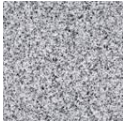


# T•A•P's Sound-Absorption Performance Superior to Other Fibrous Insulations

**T•A•P Thermal, Acoustical, Pest Control Insulation is very effective at absorbing undesired noise under intended attic conditions.**

T•A•P 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. As one will readily perceive, from newsprint to cellulose insulation, we are pulling the wood-based fibers apart, and exposing millions of pores and voids to the environment. Naturally, these pores and voids can *absorb* a great deal of unwanted noise. Additionally, the *cellulosic* structure of the fibers themselves is sound-absorbent.



T•A•P in an attic

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



T•A•P Sound Box (R) eliminates piercing alarm, while fiber glass (L) permits sound through.

See *and hear* this demonstration of T•A•P's ability to muffle a high-decibel personal alarm at PestWorld and other T•A•P promotions.



**T•A•P – Helps Keep Bugs out – and Comfort in!**

 [www.TAPinsulation.com](http://www.TAPinsulation.com)

## Acoustical Property Specification for T•A•P

Effectiveness in sound control is an important quality in insulation, and T•A•P performs well acoustically. Consumers often wish to insulate *interior* walls to reduce unwanted noises such as appliances, televisions, and restroom sounds. When measuring sound-deadening ability, a laboratory rating dubbed Sound Transmission Class (STC) is used. The higher the STC number, the more sound is deadened<sup>i</sup> (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 a rating of 35. Owens-Corning reports that their fiberglass insulation achieves an STC rating of 39<sup>ii</sup>. Cellulose tops the others at STC 44<sup>iii</sup>.

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<sup>i</sup> “T•A•P Pest Control Insulation: Specifications.” Charlotte: Cellulose Technologies Group, Inc., 2001.

<sup>ii</sup> “Noise Control Design Guide.” Owens-Corning Fiberglass Corporation.

<sup>iii</sup> Cellulose Insulation Manufacturers Association.