



## FREQUENTLY ASKED QUESTIONS

### **Is T·A·P® Pest Control Insulation an EPA-registered pesticide?**

TAP Pest Control Insulation, the most TRUSTED pest control insulation on the market today, is an EPA-registered pesticide that is also an insulation. Our product is backed by scientific studies to control bugs and protect your home. Other insulation may be treated by an EPA-registered product to protect the insulation but falls short of protecting your home from pests and the damage they cause to the structure of your home as well as your family's health. TAP Pest Control Insulation, however, is an EPA-registered insulation and has the unique advantage of protecting your home and family from pests.

### **With all the “green” claims on products these days, is T·A·P® Pest Control Insulation truly environmentally friendly?**

When viewed in the context of the entire product life-cycle - from production to operation to disposal – TAP Pest Control Insulation is one of the greenest building products in the world. TAP Pest Control insulation takes less energy to make than other insulation products, is made from 80%+ recycled paper, reduces a home's carbon footprint by saving energy, and provides no post-installation waste.

### **Does T·A·P® Pest Control Insulation have to be renewed or replaced to continue to control insects?**

No, pests cannot build up tolerance to the borates in TAP Pest Control Insulation, so the pest control properties remain in effect as long as the insulation remains in the home.

### **My research shows boric acid is roughly as toxic as table salt. If so, how can it kill pests?**

Boric acid attaches to the bodies of the pests as they crawl through or nest in the insulation. Since these pests are “self-grooming” insects, they ingest the boric acid when they groom themselves. As the pests cannot excrete the boric acid, it accumulates in the gut eventually proving lethal due to dehydration, malnutrition, or both.

## **How long does installation on an existing home take?**

Installing TAP Pest Control Insulation over existing attic insulation typically takes a two-person crew one half day or 4 hours. However, installation time depends on the size of the home and the amount of preparation needed prior to blowing the insulation.

## **I already have insulation in my attic, do I need T·A·P® Pest Control Insulation?**

It is a strong possibility. First, your current insulation most likely does not have pest control properties, so adding TAP Pest Control Insulation would be greatly beneficial. Second, the U.S. Department of Energy recommends a significant amount of insulation (R-49 at a minimum) in residential attics. This amount far exceeds most building codes and specs which means that many homes do not have enough insulation. It has been estimated that 65% of homes in the U.S. are under-insulated, and most homes over 10 years old have about 1/3 of the recommended amount of insulation.

## **Does T·A·P® Pest Control Insulation have an odor?**

The borates in TAP Pest Control Insulation help absorb and reduce any foul odors. Another benefit of TAP Pest Control Insulation is that there is no off-gassing during installation or when completed.

## **Do I need to take my existing insulation out before installing T·A·P® Pest Control Insulation?**

No, TAP Pest Control Insulation can be installed right on top of existing insulation. However, it may be advisable to remove your existing insulation if previously damaged or soiled by pests.

## **How is T·A·P® Pest Control Insulation installed?**

TAP Pest Control Insulation is blown in using a machine. When blown in, TAP Pest Control Insulation forms a perfect fit in your wall or attic seeking nooks and crannies while filling the entire cavity. Stud cavities in attics are not uniform in size. Thus, gaps and voids form when traditional insulation rolls are used. Unlike the traditional insulation rolls, TAP Pest Control Insulation is never cut on the job site, or stuffed into the cavity to fit behind pipes and conduits (which reduces the effectiveness of insulation). Once blown in, TAP Pest Control Insulation fits over your ceiling like a blanket.

## **Isn't cellulose insulation a fire hazard?**

This is a common myth often perpetuated by other insulation industries. Most houses are cellulose (made from wood and forest products). TAP Pest Control Insulation contains a fire-retardant that makes homes safer in the event of fire. Traditional insulation can melt creating a chimney-like effect in a wall. TAP Pest Control Insulation, with its fire-retardant characteristics, will not hold a flame and forms a 'charred' surface barrier which limits the spread of fire.

## **What is T·A·P® Pest Control Insulation made of?**

TAP Pest Control Insulation is a green building material made from recycled paper and specially formulated borates.

## **Who can install T·A·P® Pest Control Insulation?**

The government closely regulates any product that claims to have an effect on insects or other pests. Because TAP Pest Control Insulation is a product which controls pests, it must be registered with the U.S. Environmental Protection Agency as well as each individual state in which it is sold. These entities mandate that TAP Pest Control Insulation can only be sold and installed by licensed pest management professionals in most states within the U.S.

## **How does T·A·P® Pest Control Insulation reduce my bills?**

TAP Pest Control Insulation keeps homes cooler in summer and warmer in winter by reducing the ability for heat to transfer through walls and attics. Because TAP Pest Control Insulation is denser than traditional insulation, air does not move through it well. It resists heat transfer by convection, as well as conduction and radiation. And since there aren't the leaks and drafts associated with ordinary insulation, mechanical systems don't work as hard and can often be down-sized saving you money. Areas in the home maintain more uniform temperatures between floors and ceilings, upstairs and downstairs, even next to exterior walls.

## **Doesn't all cellulose insulation control pests?**

Most cellulose insulation contains some boric acid or crude borates to provide fungi resistance and to act as a fire retardant. Whether a particular borate substance can or will kill an insect depends on several factors including the formula, concentration (i.e. dosage), and presentation of the substance. Some cellulose insulation may contain boric acid at insufficient levels to kill some insects, and some insulation may contain sufficient concentration, but the substance may not be presented in a form that can be ingested by insects.

Without proper testing and registration, it is nearly impossible to know if the borates or borate derivatives in cellulose insulation will control insects. Therefore, only products that have an EPA label and have been scientifically tested, such as TAP Pest Control Insulation, can legally claim to control insects.

## **Does T·A·P® Pest Control Insulation control mice, rats, or squirrels?**

The only claims permitted are those which are found on the TAP Pest Control Insulation which do not cover mice, rodents, or squirrels. However, TAP Pest Control Insulation does not act as a food source for these animals.

**I received a quote from a contractor who says his insulation is “the same thing” as T·A·P® Pest Control Insulation but cheaper. Is this true?**

Absolutely not. TAP Pest Control Insulation can only be installed by licensed pest management professionals. If told that a product can affect insects, ask to see the EPA label!

**Does T·A·P® Pest Control Insulation “repel” or “resist” insects?**

No, TAP Pest Control Insulation is lethal to certain insects that come in contact with the insulation. Many companies claim that the boric acid in their product “resists” or “repels” insects. Scientific studies reveal that boric acid is undetectable to insects. Insects cannot be repelled from something that they cannot detect, so individuals or companies that make such claims are uninformed about the scientific properties of boric acid.

**Is T·A·P® Pest Control Insulation ENERGY STAR® rated?**

Yes, TAP Pest Control Insulation proudly bears the Energy Star® Seal & Insulate mark. This added benefit may qualify the installation for local, state, and federal rebates and tax credits. It is recommended to speak with your tax professional regarding any available credits or rebates.

**Is T·A·P® Pest Control Insulation UL Classified?**

Yes, TAP Pest Control Insulation is classified by Underwriters Laboratories in Northbrook, IL. The classification is R27651 Issue, No. 0029690. This is another level of credibility and distinction added to a product you can trust.