

CELLULOSE



Nu-Wool Premium Cellulose Insulation is sprayed directly into the wall cavity.

With heating costs on the rise, it is more important than ever to ensure that your home or building is properly insulated.

Cellulose insulation conforms to your building creating a tight fit barrier that ensures



outside air is not able to penetrate. Creating a quality seal is the easiest way to reduce home energy usage and lower your monthly utility bill*. Cellulose insulation is durable and treated to be fire retardant, insect resistant, and protected against mold and mildew. It is also renowned for its sound deadening qualities.

Cellulose is also one of the greenest products available, made almost exclusively from recycled newspaper. In fact, if all of the paper being discarded into landfills were to be converted into cellulose insulation, it would save almost eight million tons in CO2 emissions. Because of its composition and all of its inherent benefits, Cellulose insulation is the environmentally conscious and energy efficient choice for insulation.

Mold Resistant

Mold in Today's Homes

Building science and construction methods have changed over the last 10-15 years. Architects and builders now make a concerted effort to tighten-up wall design by reducing airflow, both in the design of the wall system and the type of insulation used. Does that mean that today's buildings are more susceptible to mold? NO.

Mold spores are very tiny and are present everywhere, both indoors, in new and older buildings, and outdoors. Molds are extremely common in all building structures and will grow anywhere there is the right combination of moisture, warmth, and food. Fortunately, the vast majority of molds are harmless to humans and pets. However, certain molds can damage building structures by literally destroying wood building components through decay.

How does Nu-Wool Premium Insulation protect against mold?

Nu-Wool Premium Cellulose Insulation is one of the few insulation products that contains a fungicide registered by the Environmental Protection Agency (EPA). Registration is achieved only after rigorous testing to ensure that the borate-based fungicide in Nu-Wool Premium Insulation will resist the growth of mold even when exposed to conditions favorable to mold growth.

The Benefits of Nu-Wool's EPA Registered Fungicide.

All Nu-Wool Premium Insulation products are made with a boron-based, EPA registered fungicide, which makes the insulation resistant to mold. Under federal law, a claim of mold resistance can only be made by a product which contains a fungicide registered with the EPA for use in that product. Virtually no other insulation products contain such additives, but Nu-Wool Premium Cellulose Insulation does. Plus, the fungicide used in Nu-Wool Insulation also works as an effective flame retardant. Many other cellulose insulation manufacturers add cheaper, potentially harmful sulfate based flame retardants. Nu-Wool's 100% boron treatment makes Nu-Wool Premium Cellulose Insulation a superior, more effective insulation system.

Control moisture, control mold.

Mold can grow on many materials commonly found in a building. The key to controlling mold growth is to control the level of moisture in a building. There is no practical way to keep mold spores from entering buildings, but mold problems can be prevented before they arise by regulating humidity levels in the building. A certain amount of moisture occurs naturally in the air within a building, but when moisture reaches excessive levels the likelihood of mold growth is increased. The most common sources of excessive moisture are leaks! Roofs, walls, siding, pipes, sinks, showers, toilets, etc., are all potential sources of leaks. Other major moisture sources include kitchens, bathrooms, laundry rooms, fish tanks, humidifiers, etc.

Moisture Management: Nu-Wool Premium Insulation spreads it out and dries it out.

The superior moisture management properties of Nu-Wool Premium Cellulose Insulation actually make it a better choice than fiberglass insulation for managing moisture problems. Nu-Wool absorbs moisture, redistributes it and lets a wall dry in a controlled manner. If a leak does occur in a wall insulated with Nu-Wool Premium Cellulose Insulation, the likelihood of the insulation remaining wet is far less than with fiberglass insulation.

In any structure, it is virtually a given that the inside of the walls will become wet from time to time. Even the best designed and constructed walls will be susceptible to leaks. Accordingly, it is very important that walls are able to dry out when they do become wet. Because of its excellent moisture management properties, Nu-Wool WALLSEAL Insulation helps walls dry out faster.

Powerful, Yet Safe

Nu-Wool Premium Insulation resists flame, insects, and mold, yet it has extremely low toxicity. Table salt, with an oral LD50 of about 4000 mg/kg, is several times more acutely toxic than Nu-Wool. The LD50 for aspirin is 1500 mg/kg in male rats, requiring substantially less to be ingested to produce a toxic effect than would be the case for Nu-Wool Premium Insulation. The results of the reviewed studies indicate that the effects of exposures to Nu-Wool Premium Insulation are minor and temporary, unless large doses are taken orally.