

# INSO-TEC INC.

**Toll-Free Pager:** 1-800-263-1481

**Website:** [www.insotec.ca](http://www.insotec.ca)

**Email:** [info@insotec.ca](mailto:info@insotec.ca)

## The Facts about Contaminated Insulation

Animals living in the walls, roof or attic, can damage or flatten the insulation. This can dramatically decrease the energy efficiency (R-value) of the insulation. As the R-value is decreased, your house becomes warmer in the summer and cooler in the winter! The insulation may also become contaminated and pose significant health risks. Animal feces is associated with numerous diseases, mould is associated with respiratory diseases and insects such as fleas, ticks and mites, love to feed on human hosts and spread disease. These are all serious health concerns!

Squirrels, raccoons, bats and even birds love to use building insulation for their nests that are located in the walls, attic or other areas of your dwelling. They leave behind urine and feces which has been linked to an incurable respiratory disease named Histoplasmosis (aka Darling's disease). The accumulation of urine and feces over time can cause rot (structural degradation) and mould to grow and spread in the attic or walls. Mould has been linked to respiratory problems and to cause allergic reactions.

## Contaminated Insulation Removal

Inso-Tec uses a state of the art, 3 stage HEPA filtration negative air system. This vacuum system removes 99.97 % of the mould, dust, gases and fine particulates from within the sealed environment.

Once all the contaminated insulation is removed, soffit airflow vents are installed and vent pipes, light boxes, bathroom fans etc. are caulked and sealed.

Next, Inso-Tec applies "CP-240 Post Removal / Decontamination Sealer" which seals in any remaining off-gases or harmful substances. A skirt is then built around the trapdoor which is sealed and insulated. In the event a vapor barrier has never been put into place, Inso-Tec sprays 1-2 inches of urethane foam insulation that acts as a superior vapor barrier with an additional R-Value of 14.

Once the sealant has been applied, 15" of environmentally friendly cellulose insulation with an R-Value of 50 can now be blown into the attic. Cellulose insulation is rodent, insect and fire retardant and possesses superior thermal and acoustical qualities.

Blown in cellulose coats within cavities where traditional forms of insulation often miss. Corners, crevices, irregular angles and cramped spaces are no challenge for this insulation material.

If you suspect that you may have contaminated or toxic insulation in your building, call Inso-Tec toll-free for more information or even arrange a free onsite estimate!

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