



Energy Efficient Soy-Based Foam Insulation





ENVIRONMENT

What is Biobased Insulation?

Biobased Insulation combines cutting edge technology with rapidly renewable soybeans to form a truly revolutionary and sustainable product. Biobased insulation is a two-part soy-based spray foam installed by certified dealers using custom designed equipment. Biobased Insulation expands to completely fill all voids creating a sealed thermal envelope, effectively preventing air infiltration

Biobased Insulation has been formulated with the environment in mind. It emits no VOCs, CFCs, contains no formaldehyde and has no harmful environmental side effects making it one of the most environmentally friendly insulations in the industry.



How much money can Biobased Insulation save me?

Because Biobased Insulation creates both an airtight seal and a thermal envelope less energy is employed to either heat or cool your building as desired. By using other responsible building components in conjunction with Biobased Insulation you can save up to 50% on your utility bills.

While the initial costs of installing Biobased insulation may be higher than traditional fiberglass insulation, the savings in your bills every month year after year greatly outweighs the extra cost. The larger the home the faster the return.



EFFICIENCY

A group of four young people (three women and one man) are sitting in a white inflatable boat. They are all looking down at a large map or blueprint spread out on the boat's floor. The man on the right is pointing at a specific location on the map. The woman next to him is also pointing. The other two women are looking on. A yellow level is visible on the left side of the boat. The background is a soft-focus image of white foam insulation.

AIRTIGHTNESS

How does Biobased Insulation create a more comfortable home or office?

Have you ever noticed that one of the rooms in your home or office is warmer or cooler than the rest? This is due to unconditioned air infiltrating your home or building. Air infiltration accounts for up to 40% of the energy loss in a home or building. During installation Biobased Insulation rapidly expand to 100 times its original size filling all voids to create an air tight seal of protection around your home or building. This air tight seal will maintain conditioned air inside and undesirable air outside.

Another benefit is a quieter atmosphere. Traffic on a busy street or other airborne sounds can be greatly reduced. Biobased not only gives you peace of mind, but peace and quiet too



Can Biobased Insulation make your home or office healthier?

When you are sitting in a room where the sun is shining, have you ever noticed particles floating in the air? This is the unhealthy air people breathe every day. With proper Passive or Mechanical ventilation and the continuous air barrier Biobased Insulation creates, the air quality inside your building will greatly improve. People suffering from allergies will also benefit from the reduction of pollen and other allergens that other insulations allow to seep inside.

Biobased Insulation resists moisture too, helping to prevent mould growth. So it not only keeps out harmful elements, it doesn't introduce or harbour new ones either.



HEALTH




DURABILITY

How long will Biobased Insulation last?

Unlike conventional insulation Biobased insulation will not settle or sag over time. This means you will enjoy all the benefits of energy-efficiency and healthier air for as long as you own your home or building. Biobased Insulation comes with a Lifetime Limited Warranty.

In the walls or ceilings of a building, many conventional insulations suffer a reduction in performance of as much as 50% due mainly to air leakage & settlement. In practice the thermal values of Biobased however are reflective of those achieved during laboratory testing.



Biobased Insulation can assist you in achieving the revised Building Regulations relating to energy efficiency, thermal insulation and airtightness.

If you would like to know more about the benefits of Biobased Insulation, please contact us at info@econstructionproducts.ie





Telephone: +353 (1) 2987155 | Fax: +353 (1) 2987047
www.econstructionproducts.ie

