EARTHANE™ Incorporated
green foam insulation
WATER makes the difference
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# EARTHANE Benefits & Capabilities

There is no better insulating material that can seal your home from air and moisture intrusion, save on costly utility bills, strengthen your home, and protect your family's health from dangerous mold than EARTHANE Spray Foam insulation.

## BENEFITS OF EARTHANE FOAM INSULATION

- **Stops air and moisture infiltration**
- **Makes your building more comfortable**
- **Reduces fuel usage and energy costs**
- **Adds strength to the building structure**
- **It is permanent and will not shrink or sag**
- **Keeps dust and pollen out**
- **Reduces capacity requirements, maintenance, and wear of HVAC equipment**

## EARTHANE SAVES YOU MONEY AND PAYS FOR ITSELF

EARTHANE insulation saves on energy costs and lowers utility bills. EARTHANE is used to seal the entire "building envelope" of your building to prevent air and moisture infiltration. US Department of Energy (DOE) studies show that 40% of your building's energy is lost due to air infiltration. This air infiltrates the home in the form of drafts through walls sockets, windows and doorways. Buildings insulated with EARTHANE need no expensive building wrap or additional vapor protection during construction, saving money yet again.

## HIGH R-VALUE

EARTHANE polyurethane foam has an aged R-value of approximately 6.5 per 1 inch thickness, enabling it to provide more thermal resistance with less material than any other type of commercial insulation material. EARTHANE systems are frequently used to insulate and protect a wide variety of residential, commercial, and industrial buildings.

Monthly energy and utility savings of 30% or greater can be achieved when compared to the alternative roofing and insulation systems. The cost of an EARTHANE roof or insulation system can often be recovered in less than 5 years, simply through energy savings alone.

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## Prevents Air, Moisture and Gas Infiltration

Studies have shown that as much as 40% of a building's total energy loss is due to air infiltration. Traditional fiberglass insulation is only stapled or placed into the wall cavities and does not seal the stud and wall cavities from end to end, or top to bottom. Air infiltration can pass through these gaps, making it far less efficient than EARTHANE. EARTHANE not only adheres to, but forms to the walls and floors to create a tight seal and insulating barrier that stops this air leakage. EARTHANE also boasts the highest R-value per inch than any other commercial material making your building more comfortable and less expensive to heat in the winter, and cool in the summer.

Since EARTHANE acts as an air barrier, it also helps to reduce moisture infiltration, which is a source of dangerous mold and mildew growth in the home, and can cause severe health problems to its occupants. Moisture infiltration can also cause structural damage to your building.

## Mold Prevention

Molds produce tiny spores to reproduce, waft through the indoor and outdoor air continually. When mold spores land on a damp spot indoors, they may begin growing and digesting whatever they are growing on in order to survive. When excessive moisture or water accumulates indoors, mold growth will often occur, particularly if the moisture problem remains undiscovered or un-addressed. There is no practical way to eliminate all mold and mold spores in the indoor environment; the way to control indoor mold growth is to control moisture. EARTHANE insulation is the key.

In buildings where mold is a problem, the mold must be remediated and the sources of moisture eliminated. This is where EARTHANE can be used very effectively. Used as a primary source of insulation, it seals the cracks, gaps and holes in the building's structure and sheathing to create a tight space by reducing air and moisture flow from infiltration and exfiltration.

## Enhances Overall Building Stability

Since EARTHANE is seamless and monolithic, foam sprayed into the walls enhances overall building stability and reduces "rack and sheer." EARTHANE adds structural integrity to your building's wood or metal stud framework.

## Deadens Sound Travel and Noise

EARTHANE also reduces airborne sound making the building acoustically tighter and more private from room to room.