

RESIDENTIAL

The air barrier system within a "Building Envelope" is a critically important element for economic control for moisture, thermal transfer and preserving structural integrity. An inadequate barrier system will allow leakage of air through holes, leaks, cracks and gaps in the thermal building envelope. The end result is movement of air, moisture and heat. The leaking air carries humidity to the dew point locations within the building envelope, resulting in a growth of black rot or mildew. Another concern among home owners today is the rise of energy costs to heat/cool their homes. An inadequate barrier system will allow heat to flow through the home and between its surroundings by conduction, convection and radiation. Simply stating, heat will always flow from hot to cold resulting in increased energy costs within an inadequate barrier system.

VERSI-FOAM® is an expandable foam that will completely seal any gaps and crevices preventing air infiltration, moisture infiltration as well as intrusion of dirt and pollutants from outdoors.

Areas where VERSI-FOAM® can be applied include:

In basement/crawl spaces:

- The sill plate (where the walls meet the foundation)
- Service entrances (openings through which electrical, plumbing or heating services enter the house).
- Concrete or cinderblock holes and foundation cracks
- Loose-fitting heating/cooling ducts.

In attics:

- Open frame cavities in walls or partitions which are open to the attic.
- Holes in the ceiling (especially around wiring, plumbing installations and chimneys)
- Shrinkage cracks between framing and interior finishes on partition walls.

Interior surfaces in inhabited buildings should be covered with a 15 minute thermal barrier for fire protection. Consult your local building code authorities regarding requirements of installation of polyurethane foam.

VERSI-FOAM® will act as a sound dampening material, softening surfaces to reduce echo and will inhibit the passage of sound from one area to another.

VERSI-FOAM® will contribute to a better performing "Building Envelope."



Click on [specifications](#) and choose the **Class I** formula for physical properties of the foam recommended for residential applications.

COMMERCIAL

Commercial construction projects often present challenges to architects and contractors, some involving insulation, air sealing or sound dampening. These issues can be addressed with the use of VERSI-FOAM® portable disposable polyurethane foam dispensing system.

In our energy conscious world, one of the key phrases is "Building Envelope," which is the system of components that protects against movement of air, moisture and heat. Polyurethane foam being one of the most efficient insulation materials available, spray applying a layer of VERSI-FOAM® onto the surface will provide excellent insulation in lesser thicknesses than other insulating materials. However, the R-value of the insulation system is no longer the sole factor in energy conservation. Air movement and moisture control must also be taken into consideration. VERSI-FOAM® is an expandable foam that will completely seal any gaps and crevices preventing air infiltration, moisture infiltration, as well as the intrusion of dirt and pollutants from the outdoors. In addition, large gaps and crevices are easily filled using our patented U-Control dispensing gun.



VERSI-FOAM® can be used to insulate ductwork (for temperature control and vibration control) and seal HVAC penetrations.

VERSI-FOAM® will act as a sound dampening material, softening surfaces to reduce echo, and will inhibit the passage of sound from one area to another.

Consider VERSI-FOAM® for new construction and retrofit of commercial buildings - offices, universities, hotels, restaurants, shopping malls, retail outlets, warehouses, health care facilities, airports, sports centers.