



**TRI STATE**

**FOAM**

## EPS & Below Grade Foundations

EPS is a lightweight, easy to handle, rigid thermal insulation. Its closed cell structure assures long-lasting thermal insulation properties and water-resistance, making it perfect insulation for foundations.

In addition, EPS insulation will not support the growth of bacteria or decay over time. It is also available in several compressive strengths to withstand load and backfill forces.

### Tests Offer Proof

Two independent Canadian studies were conducted recently and both found that EPS as exterior basement insulation is extremely durable.

In the first test, after two complete freeze-thaw cycles, the insulation showed no degradation of its physical and thermal properties. The test results were especially impressive in view of the fact that the soil around the basement had heavy clay content, which retains moisture.

In another study, EPS insulation, thermal performance, site weather conditions and soil moisture content were monitored over a 30-month exposure period. The monitoring of thermal performance detected the presence of water at the outer surface of the EPS foam during periods of heavy rain and major thaws; however, the surface of the concrete basement wall showed no evidence of water penetration through most of the height of the wall.

### EPS and Termites

Tri-State Foam offers a diverse line of EPS products that are designed specifically for use in below grade foundations, including products that incorporate termite protection. Although EPS is not a food source for termites, it does afford the opportunity to increase the termite protection of your building.

These insulating products are tough, yet lightweight and offer outstanding physical properties, including the ability to resist moisture and termites, as well as offer long-term thermal protection.

Our EPS products are environmentally friendly in that they are 100 percent recyclable, contain no HCFCs or formaldehyde and contribute toward LEED® credit requirements.

Call Tri State Foam today!

Products Engineered  
for Today's  
Construction Industry

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