

# **INSULFOAM<sup>®</sup>**

A **CARLISLE** COMPANY



**PRODUCT OVERVIEW**



## Insulfoam Product Overview

Insulfoam is one of the nation's largest manufacturer of block-molded expanded polystyrene (EPS). For over 50 years, Insulfoam has enabled building professionals to construct high-quality, cost-effective insulation systems. With the widest range of faced, laminated, and standard high-performance EPS insulation products, Insulfoam has the right products for any application while providing the highest R-Value per dollar of any rigid insulation.

## Insulfoam's Core Business Definition

Questions	Parameters	Divisional Core Attributes
What are the division's strongest (and most differential) assets and capabilities?	Physical assets	<ul style="list-style-type: none"> <li>Eight state-of-the-art manufacturing facilities strategically located throughout the U.S.</li> <li>Technical/R&amp;D/Training Center based in Savage, MN</li> <li>Sales offices located within each of our manufacturing facilities</li> <li>Access to CCM training facilities and personnel in Carlisle, PA</li> </ul>
	Intangible capabilities and assets	<ul style="list-style-type: none"> <li>Presence &amp; power of the Carlisle brand name</li> <li>Customer-centric culture of engaged &amp; empowered employees focused on innovation and industry-leading service and support ("The Carlisle Experience")</li> <li>Industry experience, technical knowledge, excellent brand name and reputation</li> <li>Tapered Design and take-off services for roofing, waterproofing and Geofoam projects</li> </ul>
Where does the division generate the most profit?	Products and services	<ul style="list-style-type: none"> <li>Plain Expanded Polystyrene (EPS) or with assorted facers, laminates and cover boards</li> <li>Best-in-Class customer service/support &amp; technical expertise.</li> </ul>
	Value chain activities	<ul style="list-style-type: none"> <li>Converting raw materials and specialized, proprietary laminates into high-performance construction and OEM systems.</li> <li>Product development and innovation targeted to higher performance materials aimed at enhancing margin growth.</li> </ul>
Where does the division enjoy competitive outperformance?	"Carlisle Experience"	<ul style="list-style-type: none"> <li>Customer service and technical support expertise, problem-solving capabilities.</li> <li>Just-in-time (JIT) capabilities to provide job-lot quantities.</li> <li>Best in class supplier to jobsites for roofing and new-construction projects.</li> <li>Stand behind our products. Quickly correct our errors.</li> </ul>

Insulfoam's block molded expanded polystyrene (EPS) products are manufactured under the InsulFoam and R-Tech® brands for roofing insulation, wall and sheathing systems, OEM garage door insulation, foundation and slab insulation, geofoam applications and numerous other building and construction applications. The ability to provide these products in a wide range of sizes, thicknesses and densities coupled with its stable R-Value make them the most versatile and cost-effective insulation in the industry. Insulfoam's technical capabilities in design, new product development, code approvals and testing provide a strong foundation for the company's continued advancement of expanded polystyrene as an innovative construction material.

**INSULFOAM**  
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**R-TECH®**

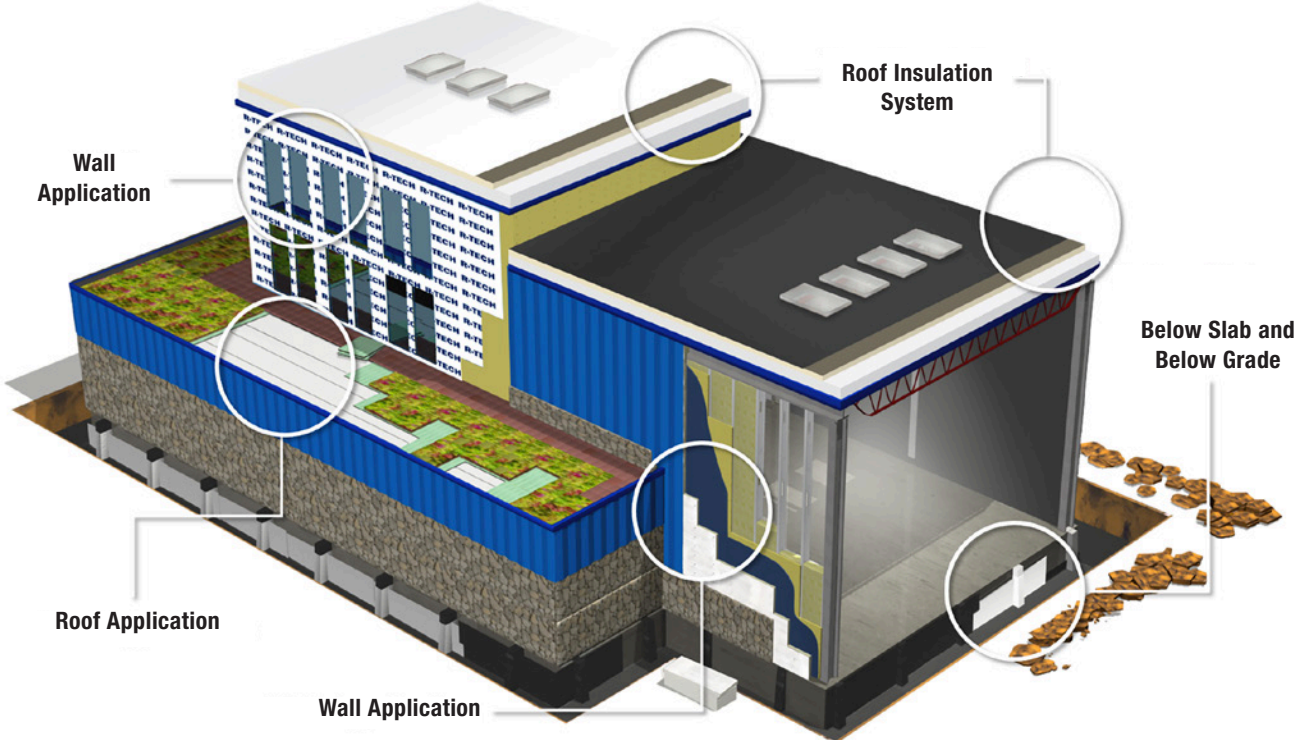
# U.S. Locations



1. Insulfoam Manufacturing Facility†
2. Insulfoam Manufacturing Facility
3. Insulfoam Manufacturing Facility
4. Insulfoam Manufacturing Facility
5. Insulfoam Cutting Operation
6. Insulfoam Manufacturing Facility
7. Insulfoam Manufacturing Facility
8. Insulfoam Technical Center
9. Insulfoam Manufacturing Facility
10. Carlisle Construction Materials Corporate Headquarters†
11. Insulfoam Manufacturing Facility

†Division Headquarters

# COMMERCIAL APPLICATIONS



# Roofing Systems

## InsulFoam I, VIII, II, IX, XIV and XV

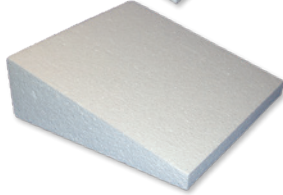
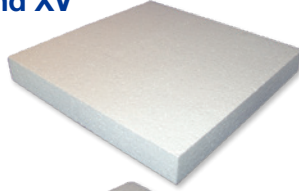
Flat and Tapered –  
EPS Roofing Insulation

### Application

All roofing and reroofing applications.  
Tapered panels used for increasing slope for additional drainage.

### Characteristics

Available in compressive strengths from 10-60 psi, flat thicknesses of ½" to 40", and tapered start thicknesses of ⅛" to maximum thicknesses of 40"; multiple slopes available.



## InsulFoam SP

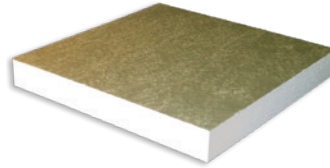
InsulFoam EPS with a Factory-laminated Glass Facer

### Application

For recover or new applications, approved for single-ply roof systems without an additional slip sheet on non-combustible decks.

### Characteristics

Available in thicknesses 1½" - 7", 4' x 4' and 4' x 8' panels.



## InsulFoam HD Composite

½" High Density Polyiso  
Bonded to InsulFoam

### Application

For new construction or recover applications approved for single-ply roof systems.

### Characteristics

Available with ½" 100 psi high density polyiso bonded to InsulFoam in compressive strengths from 10-60 psi, thicknesses 1½" - 6", 4' x 4' and 4' x 8' panels.



## InsulLam®

Composite EPS Insulation

### Application

High performance nailbase insulation for use in commercial and residential roof applications.

### Characteristics

Standard substrates include OSB, Plywood, Gypsum and other cover boards, 4' x 4', 4' x 8' panels are available in thicknesses of 1½" – 7". Also available vented as InsulVent.



## R-TECH

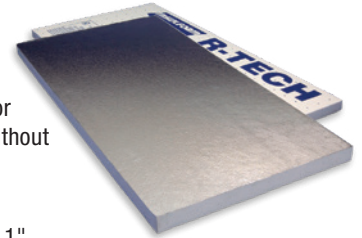
Roofing Underlayment

### Application

For recover applications, approved for use under single-ply roof systems without the use of a slip-sheet.

### Characteristics

4' x 8' panels in thicknesses of ⅜" - 1".



## R-TECH FF

Fanfold Underlayment

### Application

For recover applications, approved for use under single-ply roof systems without the use of a slip-sheet. EPDM is acceptable in the northern US.

### Characteristics

Available in 200 sq. ft. fanfold bundles with thicknesses of ⅜", ½", or ¾".



## InsulFoam FL

Flute Fill

### Application

Recover insulation for existing metal roof profiles.

### Characteristics

Available in taper, straight, or custom-cut profiles to fit any metal roofing system.



## InsulFoam HB

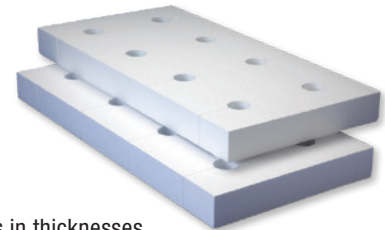
Holey Board

### Application

For use in lightweight concrete systems.

### Characteristics

Typically provided in 2' x 4' panels in thicknesses from ¾" to 20".





# Wall Systems

## InsulFoam I, VIII, II, IX, XIV and XV

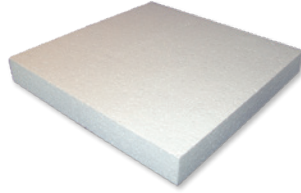
Flat EPS Wall System Insulation

### Application

All wall applications, including Exterior Insulation Finishing Systems (EIFS), Continuous Insulation, Below-Grade, Foundation, Perimeter Insulation, Siding Underlayment, Interior, Exterior, and Cavity wall systems.

### Characteristics

Available in compressive strengths from 10-60 psi, 4' x 4' and 4' x 8' standard sizes with thicknesses from 1/4" to 40". Readily available in custom lengths, widths and densities.



## InsulFoam EG

Exterior Grade Insulation

### Application

Designed for Exterior Insulation Finishing Systems (EIFS).

### Characteristics

Offered in an assortment of sizes and shapes and is readily available in custom lengths, widths and densities.



## InsulFoam DB

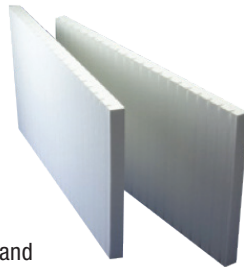
Drainage Board

### Application

Designed to be applied as an exterior foundation insulation and drainage board.

### Characteristics

Has 1/4" x 1/4" drainage channels every 2" and is offered in an assortment of sizes and shapes and is readily available in custom lengths, widths and densities.



## R-TECH CW

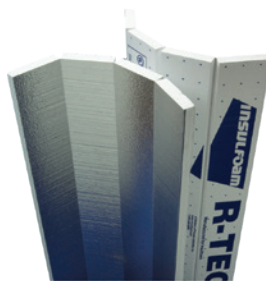
Cavity Wall Insulation

### Application

Designed for interior wall applications.

### Characteristics

Available in 4' x 8' sheets with thicknesses ranging from 1/2" to 4.5". Custom sizes are available upon request.



## R-TECH

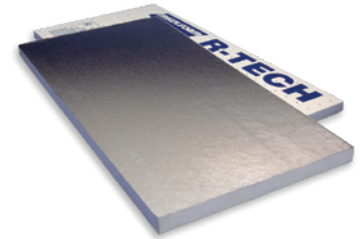
Wall Insulation

### Application

All wall applications, including Exterior Insulation Finishing Systems (EIFS), Platinum Premium GPS Insulation, Continuous Insulation, Below-Grade, Foundation, Perimeter Insulation, Siding Underlayment, Interior, Exterior, and Cavity wall systems.

### Characteristics

Available in 4' x 8' sheets with thicknesses from 3/8" to 5" in 1/8" increments. Readily available in custom sizes and densities.



## R-TECH FF

Fanfold Insulation

### Application

All wall applications, including Exterior Insulation Finishing Systems (EIFS), Continuous Insulation, Below-Grade, Foundation, Perimeter Insulation, Siding Underlayment, Interior, Exterior, and Cavity wall systems.

### Characteristics

Available in thicknesses of 1/4", 3/8", 1/2" and 3/4" and has a standard nominal density of 1 pcf. The Fanfold bundles are 2' x 4'. Different densities are available upon request.



# Geofoam – Structural Insulation

## Engineered Light Weight Fill Material

Drainage Board

### Application

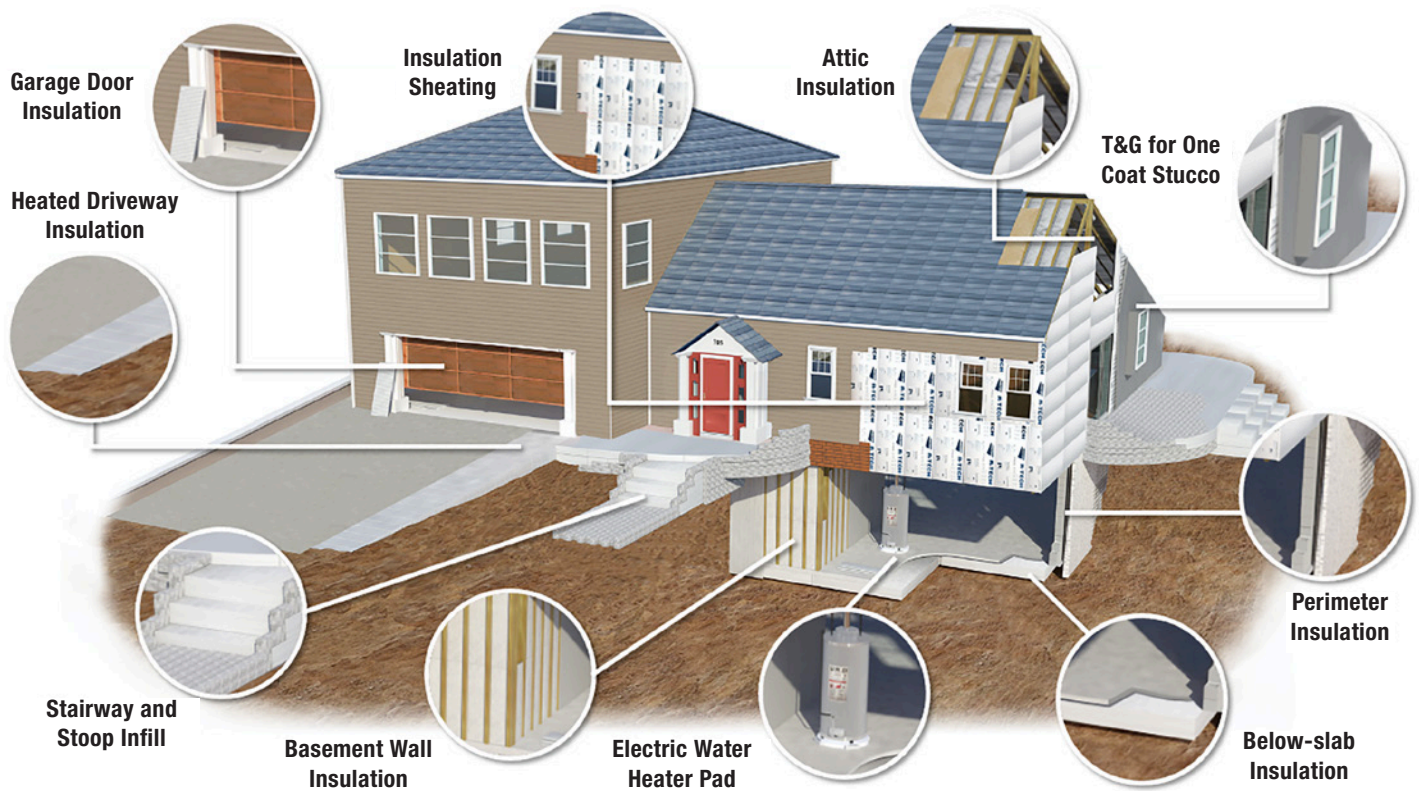
Commonly used in areas where unstable soil conditions exist and as an alternative to various fill materials such as: Roads, Highways, Bridge approaches, Retaining walls, Berms, Embankments, Loading Docks, Ramps, Landscaping, Dikes, Levees, and Foundations.

### Characteristics

With typical densities from .70 to 2.85 lb/ft<sup>3</sup>. Custom sizes and shapes are available upon request.



# RESIDENTIAL APPLICATIONS



## Roofing Systems

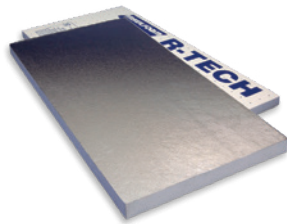
### R-Tech – Premium Rigid Insulation Panels

#### Application

For use in residential applications requiring rigid insulation. Polymeric facers provide excellent jobsite durability and product moisture resistance.

#### Characteristics

4' x 8' panels in thicknesses from ½" to 5". Available with compressive strengths of 10, 15, 25, 40 or 60 psi.



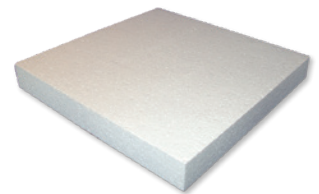
### InsulFoil Plain Foam – Rigid Insulation Panels

#### Application

For use in residential applications requiring rigid insulation.

#### Characteristics

4' x 8' panels available in thicknesses from ½" to 40". Available with compressive strengths of 10, 15, 25, 40 or 60 psi.



### InsulLam – Insulated Nailbase Insulation

#### Application

High-performance nailbase insulation, an excellent substrate for a variety of steep and low slope roof systems.

#### Characteristics

InsulLam is available in 4' x 8' sizes with overall thickness from 1.5"–7"



### R-Tech Fanfold Insulation

#### Application

Ideal for underlayment, general protection board, etc.

#### Characteristics

½" x 4' x 50' insulation provided in a compact 12.5" x 2' x 4' bundle. Provided in an easy-to-handle bag, Installs quickly; easy to cut to length.



## Wall Systems

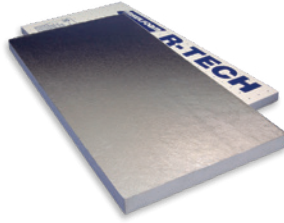
### R-Tech – Premium Rigid Insulation Panels

#### Application

For use in residential applications requiring rigid insulation. Polymeric facers provide excellent jobsite durability and product moisture resistance.

#### Characteristics

4' x 8' panels in thicknesses from ½" to 5". Available with compressive strengths of 10, 15, 25, 40 or 60 psi.



### R-Tech Fanfold Insulation

#### Application

Ideal for siding underlayment, foundations, general protection board, etc. Provided in an easy-to-handle bag, Installs quickly; easy to cut to length.

#### Characteristics

½" x 4' x 50' insulation provided in a compact 12.5" x 2' x 4' bundle.



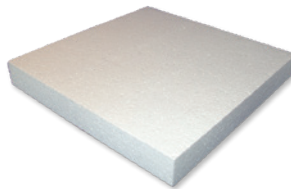
### InsulFoam Plain Foam – Rigid Insulation Panels

#### Application

For use in residential applications requiring rigid insulation

#### Characteristics

4' x 8' panels available in thicknesses from ½" to 40". Available with compressive strengths of 10, 15, 25, 40 or 60 psi.



### InsulFoam T&G – Tongue and Groove

#### Application

Used as a substrate for stucco, allowing trapped moisture vapor to escape without effecting insulation performance and helps reduce the cracking problems normally associated with stucco walls.

#### Characteristics

Produced per ASTM C578, Type II with a nominal 1.5 pcf density.



### InsulFoam DB – Insulated Drainage Board

#### Application

Aids in reducing hydrostatic pressure on the foundation.

#### Characteristics

Standard panel size offering is 4'. The core of the DB had ¼" x ¼" drainage channels every 2" O.C. Offered in an assortment of compressive strengths between 10–60 psi.



## Other Applications

### DIY Insulation Kit

#### Application

For use in attics, basements, floors, garages, sheds, arts & crafts and more. Easy to cut and install

#### Characteristics

Kit includes 6 panels that are ¾" x 14½" x 48" each. Panels fit between 16" O.C. studs



### InsulPad – Electric Hot Water Heater Insulation Pads

#### Application

Makes electric water heaters more efficient. Required by code in certain regions.

#### Characteristics

24" diameter, 2" thick; made from high-density Expanded Polystyrene



### DIY Garage Door Insulation Kit

#### Application

Panels can be cut to fit non-standard doors. Installs in less than an hour. Panels have an abuse-resistant and washable facer.

#### Characteristics

Includes pre-cut panels to fit most 8' and 9' garage doors





19727 57th Ave. E. ■ Puyallup, WA 98375  
Toll Free: (800) 248-5995 ■ Fax: (253) 271-3265  
[www.Insulfoam.com](http://www.Insulfoam.com)

***One of the Nation's Largest Manufacturer of  
Block-molded Expanded Polystyrene (EPS).***

*Insulfoam- a division of Carlisle Construction Materials Inc., does not make any warranty with respect to suitability of the above adhesive products. Please consult with the adhesive manufacturer to confirm the compatibility of their adhesive/sealants with expanded polystyrene (EPS) and specific applications.*

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