

Concrete Applications



Molded Polystyrene Insulation.

Foam-Control® molded polystyrene insulation is a cost-effective, durable, and energy efficient solution for insulation applications. It is an ideal material to stop energy loss. Foam-Control insulation for poured-in place and precast concrete systems reduce the requirement for concrete and overall weight. Foam-Control insulation can be used as: concrete sandwich panel cores, block-outs/knock-outs, void fillers, custom pattern forms, and more.

- R-value that never changes and is stable over time
- Range of compressive strengths available
- Closed cell insulation with superior moisture resistance
- High drying potential to rapidly release absorbed moisture
- Excellent adhesion to concrete

Strength/R-value.

FOAM CONTROL	Compressive Strength ¹ , psi	R-value/inch ²	
		75°F ³	40°F ⁴
100	10	3.9	4.2
130	13	3.9	4.3
150	15	4.2	4.6
250	25	4.4	4.8

¹ Compressive strength @ 10% deformation.

² R-value units are °F-ft²-h/Btu.

³ Recommended for design in WARM climates.

⁴ Recommended for design in COLD climates.

Foam-Control is available in a wide range of R-values and thicknesses to meet your needs. Product thicknesses are provided in the Foam-Control Thickness Selector. Project requirements vary, so Foam-Control can be ordered in any R-value thicknesses to meet your needs.

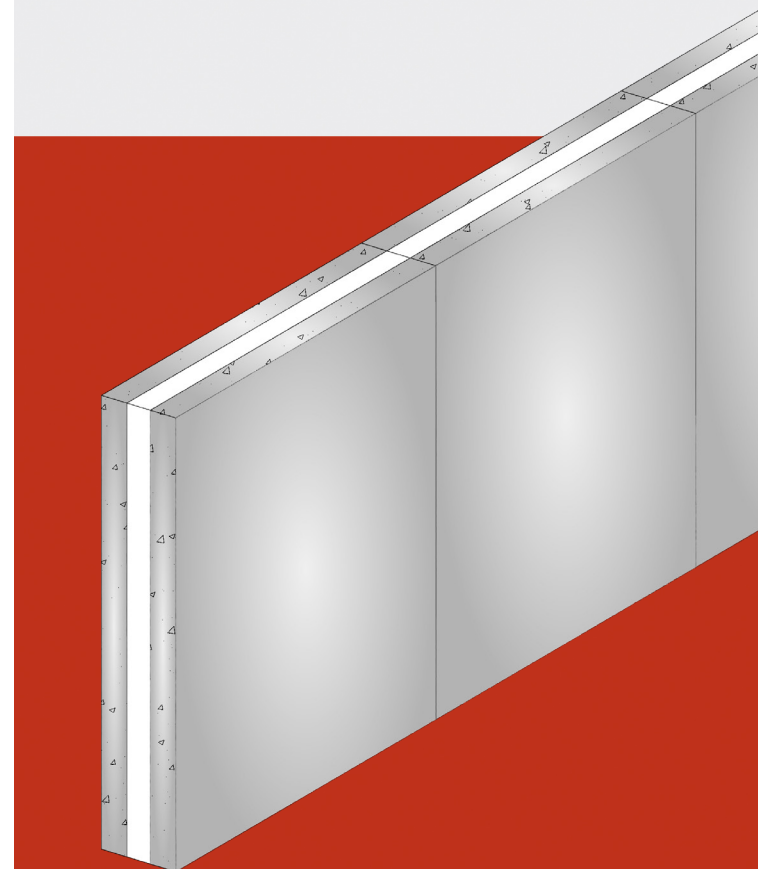
Proven to meet, or exceed, building codes.

Foam-Control is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER11812-01. Foam-Control meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation".



Sizes and Shapes.

Foam-Control insulation can be made in large or small, thick or thin sections. It can be custom cut in sizes ranging from a few square inches up to 3' x 4' x 16'. Patterns for custom projects are easily produced on computer aided cutting equipment.



FOAM FACTS:

Foam-Control outperforms XPS.

- Foam-Control provides a stable long-term R-value at a lower cost
- Foam-Control uses a blowing agent with 10 x lower global warming potential and 10,000 x lower ozone depletion
- Foam-Control meets strength requirements at a lower cost
- Foam-Control and XPS have resistance to moisture, but Foam-Control has a higher vapor permeance leading to superior drying potential
- Foam-Control with **GPerform Guard**® treatment available to provide termite resistance

Performance Value.

When you consider all performance characteristics and cost, Foam-Control is your best choice for foam insulation.

Foam-Control has air in its closed cells and therefore has a stable R-value. Many other insulations use blowing agents that cause R-value loss and are harmful to the environment.

Foam-Control has compressive strength to meet specific project requirements.

Foam-Control is manufactured to resist moisture absorption in wetting conditions and release absorbed moisture quickly during drying periods, which means Foam-Control maintains R-value.

Termite Resistant - Perform Guard®.

One of the most destructive forces anywhere is termites. Foam-Control can be manufactured with Perform Guard, a proven and safe additive, that effectively resists termites.

Foam-Control with Perform Guard meets ICC ES AC239, "Acceptance Criteria for Termite-Resistant Foam Plastics".

Recyclable.

After its life as a building insulation, Foam-Control is 100% recyclable. It can be ground into granules and reincorporated into new Foam-Control products or it can be thermally processed into a resin that's used to manufacture other new products.

Ready to take control? Start here.

If you're ready to have Foam-Control contribute to your next project, just contact your nearest Foam-Control manufacturer and Technical Sales Representative. They will be happy to give you design consultation, information about Foam-Control products, pricing, and answers to all of your questions.



PACIFIC ALLIED PRODUCTS Ltd.
MADE IN HAWAI'I, FOR HAWAI'I SINCE 1965
CAMPBELL INDUSTRIAL PARK
91-118 KAOMI LOOP KAPOLEI, HAWAII 96707
808-682-2038 888-824-3626
WWW.HAWAIIANFOAMCONSTRUCTION.COM



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POLYSTYRENE
INSULATION**