


# Exterior Sheathing

## Molded Polystyrene Insulation.

Hawaii Construction Foam molded polystyrene insulation is a cost-effective, durable, and energy efficient solution for insulated sheathing applications. It is an ideal material to stop energy loss through framing members. Hawaii Construction Foam insulation is available in a range of types and thicknesses to meet your local energy code requirements.

- 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
- Meets code requirements for continuous insulation

## Strength/R-value.

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

<sup>1</sup> Compressive strength @ 10% deformation.

<sup>2</sup> R-value units are °F·ft<sup>2</sup>·h/Btu.

<sup>3</sup> Recommended for design in WARM climates.

<sup>4</sup> Recommended for design in COLD climates.

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

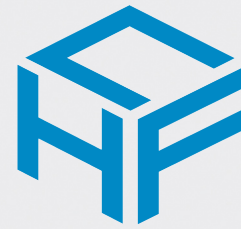
## Proven to meet, or exceed, building codes.

Hawaii Construction Foam is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER40267-01. Hawaii Construction Foam meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation".

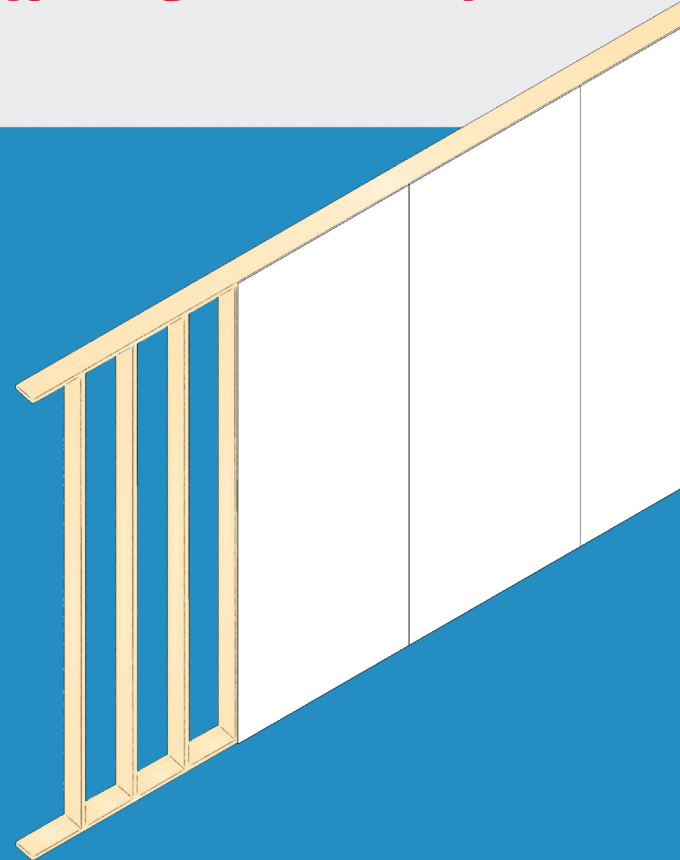


## Stands up to the weather.

When tested in accordance with ASTM C1512, "Standard Test Method for Characterizing the Effect of Exposure to Environmental Cycling on Thermal Performance of Insulation Products", Hawaii Construction Foam maintains its R-value and strength after severe exposure to freeze-thaw cycles.



HAWAII CONSTRUCTION FOAM



## FOAM FACTS:

### Hawaii Construction Foam outperforms XPS.

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

## Performance Value.

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

Hawaii Construction Foam 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.

Hawaii Construction Foam has compressive strength to meet specific project requirements.

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

## Termite Resistant.

One of the most destructive forces anywhere is termites. Hawaii Construction Foam can be manufactured with borate, a proven and safe additive, that effectively resists termites.

Hawaii Construction Foam with borate meets ICC ES AC239, "Acceptance Criteria for Termite-Resistant Foam Plastics".

## Recyclable.

After its life as a building insulation, Hawaii Construction Foam is 100% recyclable. It can be ground into granules and reincorporated into new Hawaii Construction Foam 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 Hawaii Construction Foam contribute to your next project, just contact your nearest Hawaii Construction Foam manufacturer and Technical Sales Representative. They will be happy to give you design consultation, information about Hawaii Construction Foam products, pricing, and answers to all of your questions.



**PACIFIC ALLIED PRODUCTS** Ltd.  
MADE IN HAWAI'I, FOR HAWAI'I SINCE 1965

91-110 KAOMI LOOP  
KAPOLEI, HI, USA, 96707  
808-682-2038 MAIN PHONE  
808-682-4759 MAIN FAX  
888-824-3626 MAIN TOLL FREE

Copyright © 2020 Pacific Allied Products, Ltd.  
All rights reserved. Printed in USA.

PAP11-06/20



HAWAII CONSTRUCTION FOAM

[www.hawaiianfoamconstruction.com](http://www.hawaiianfoamconstruction.com)

**MOLDED  
POLYSTYRENE  
INSULATION**