

# Foam-Control® EPS Concrete Applications

## Superior moisture resistance and stable R-Value to protect your insulation integrity.

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

### Advantages.

- Lightweight with high strength
- Excellent adhesion to concrete
- No long-term R-value loss or thermal drift
- No CFC, HCFC, HFC, or formaldehyde
- Superior moisture resistance
- Retains R-value even with moisture exposure
- Retains R-value after freeze-thaw cycling

### Benefits.

Cost effective thermal design is among the highest priorities in construction. Foam-Control EPS insulation products are available in a range of densities necessary to provide energy efficiency, structural integrity, and cost effectiveness. They are proven to lower energy costs, saving both money and precious resources.

### R-Value.

ASTM C578	1"	1 1/2"	2"	2 1/2"	3"	4"
Type I	4.2	6.3	8.4	10.5	12.6	16.8
Type VIII	4.4	6.6	8.8	11.0	13.2	17.6
Type II	4.6	6.9	9.2	11.5	13.8	18.4
Type IX	4.8	7.2	9.6	12.0	14.4	19.2

<sup>1</sup> Design R-value at 40°F mean temperature

### Sizes and Shapes.

Foam-Control EPS 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.



# EPS



## CONTROL, NOT COMPROMISE.®

### Foam face-off: Choosing Foam-Control EPS over XPS and Polyiso.

- EPS can easily vary density, thickness, and size to meet project R-values
- EPS is less-expensive than XPS and ISO products
- EPS is more easily fabricated into different shapes
- EPS allows for more design possibilities
- No CFC, HCFC, HFC, or formaldehyde in Foam-Control EPS
- No long-term R-value loss or thermal drift
- Foam-Control EPS with **Perform Guard**<sup>®</sup> TERMITE RESISTANT is available to provide protection against termites

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

Foam-Control EPS is manufactured to Quality Control Program standards monitored by Underwriters Laboratories Inc. and recognized by national building codes. Foam-Control EPS meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation".



## Stands up to the elements.

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" EPS maintains its R-value and strength after severe exposure to freeze-thaw cycles.

Foam-Control EPS can stand up to all industry tests—and has. No other EPS can say that.

## Foam-Control EPS means control, not compromise.

Foam-Control EPS Insulations are engineered to give you the greatest possible control for your concrete application: from design and timelines, to materials and costs, and—ultimately—control over your results.

## Foam-Control EPS with Perform Guard.

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



- Meets code requirements for ground contact use
- Resistant to termite damage
- Incorporates EPA registered additive
- Safe for handling and noncorrosive

## Ready to take control? Start here.

If you're starting to wonder how Foam-Control EPS can contribute to your next project, here's how to find out: Just contact your nearest Foam-Control EPS supplier. They'll be happy to give you a design consultation, information about Foam-Control EPS products, pricing, and the answers to all your questions. Contact a sales rep and download Foam-Control EPS documentation at [www.foam-control.com](http://www.foam-control.com).



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