

Perimeter / Underslab



Architectural Insulation

An architectural insulation like no other.

Foam-Control® PLUS+® is an architectural insulation product line with high compressive strength, stable R-value, and superior moisture resistance. Foam-Control PLUS+ is a premium grade insulation manufactured to provide architects, specifiers, distributors, and contractors all the features and benefits inherent in a high quality architectural insulation.

- High compressive strength of 15, 25, 40 or 60 psi
- High R-value that never changes and is stable over time
- Closed cell insulation with superior moisture resistance
- High drying potential to rapidly release absorbed moisture
- Meets code requirements for below-grade use
- Retains R-value and strength after freeze-thaw cycling

Strength/R-value.

FOAM-CONTROL PLUS+	Compressive Strength ¹ , psi	R-value/inch ²	
		75°F	40°F
PLUS+ 150	15	4.2	4.6
PLUS+ 250	25	4.4	4.8
PLUS+ 400	40	4.4	4.8
PLUS+ 600	60	4.5	4.9

¹ Compressive strength @ 10% deformation.
² R-value units are °F-ft²-h/Btu.

Foam-Control PLUS+ is available in a wide range of standard R-values and thicknesses to meet your needs.

R-5, R-7.5, R-10, R-15, R-20

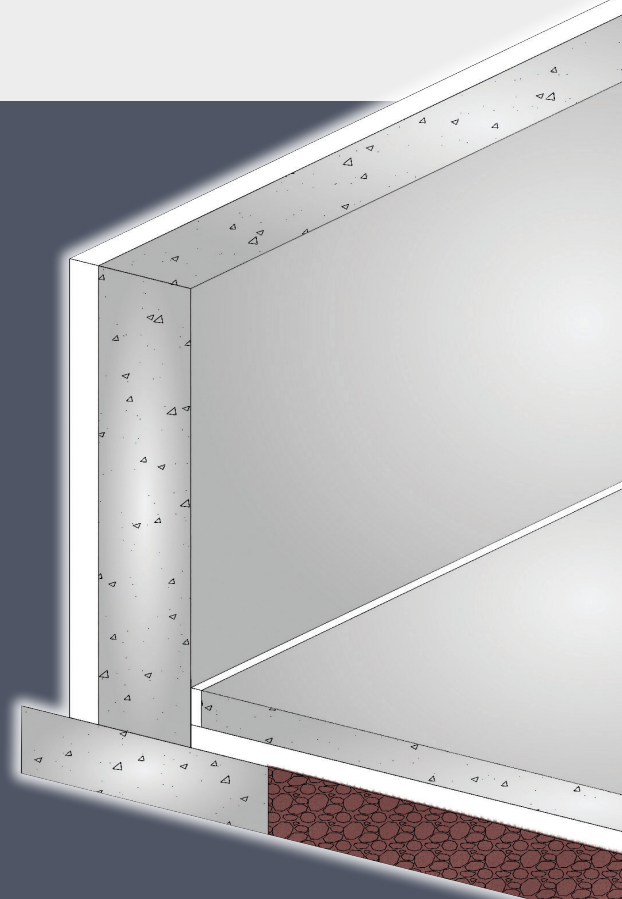
Product thicknesses for standard boards are provided in the Foam-Control PLUS+ Thickness Selector. Project requirements vary, so Foam-Control PLUS+ can be ordered in any R-value thicknesses to meet your needs.

Proven to meet, or exceed, building codes.

Foam-Control PLUS+ is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER11812-04.



Foam-Control PLUS+ meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation".



FOAM FACE-OFF: Foam-Control PLUS+ outperforms XPS.

- Foam-Control PLUS+ provides more R-value at a lower cost
- XPS uses blowing agents that cause R-value loss over time
- Foam-Control PLUS+ has a stable long term R-value
- Foam-Control PLUS+ available in 15, 25, 40, and 60 psi strengths at a lower cost
- XPS has shown to take on moisture in building applications where water is present and has a low potential to dry out
- Foam-Control PLUS+ has a superior drying potential

Moisture Resistance.

The impact of moisture gain and loss on the performance of polystyrene foam insulation in below grade applications is an important consideration. Any change in R-value as a result of water gain and loss should be accounted for in the design of below grade applications.

Samples of EPS and XPS were excavated from the exterior foundation of a building in St. Paul, MN. The insulation was placed into service in 1993 and had 15 years of use as vertical wall insulation separating a heated building foundation from soil.

Moisture Content ¹ , Volume %		
Sample	Upon Removal	Conditioned ²
EPS	4.8	0.7
XPS	18.9	15.7

¹ Please refer to Moisture Study Summary 101.

² After four weeks in a laboratory at 72° F, 50% RH.

In addition, 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” Foam-Control PLUS+ maintains its R-value and strength after severe exposure to freeze-thaw cycles.

Drying Potential.


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

Identification.

Each sheet of Foam-Control PLUS+ is clearly marked with grade, R-value, compressive strength, and building code compliance.

Flexible Product Options.

Foam-Control PLUS+ is available factory scored and can be field snapped to produce 16”, 24”, and 48” widths.

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

Foam-Control PLUS+ with Perform Guard meets ICC ES AC239, “Acceptance Criteria for Termite-Resistant Foam Plastics”.

Recyclable.

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

ACH

FOAM TECHNOLOGIES

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