

Roofing

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 direct-to-deck
- No thermal barrier required
(see ICC-ES ESR-1006 and UL ER11812-01)

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".



Architectural Insulation



FOAM FACE-OFF:

Foam-Control PLUS+ outperforms XPS and Polyiso.

- Foam-Control PLUS+ provides more R-value at a lower cost
- XPS and Polyiso use blowing agents that cause R-value loss over time
- Polyiso loses R-value during cold and extreme high temperature exposure
- 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
- Foam-Control PLUS+ has a superior drying potential
- Foam-Control PLUS+ is more vapor permeable to help avoid moisture problems

Direct-To-Deck Recognition.

UL Evaluation Report ER11812-01 and UL Roof Deck Construction No. 458 recognize Foam-Control 150 up to 6.7" being installed directly over steel roof decks along with a Class A, B or C roof covering of 80 mils or less.

ICC-ES Evaluation Report ESR-1006 recognizes Foam-Control 150 up to 6" to be applied directly over steel roof decks along with a Class A, B or C roof covering of 45 mils or less.

Direct-To-Deck Assemblies.

Steel Deck: Minimum 22 gauge, 1/2" deep, non-perforated, and maximum 6" flutes.

EPS Thickness: Refer to ESR-1006 or UL Roof Deck Construction No. 458 for various thickness and Types.

Accepted Membranes: Approved EPDM or thermoplastic single-ply that are Ballasted, Mechanically Attached and Fully-Adhered.

Cover Board (when required): Refer UL Roof Deck Construction No. 458 for various cover board options.

For complete assembly information, refer to UL Roof Deck Construction No. 458 or ICC-ES Evaluation Report ESR-1006.

Tapered Insulation.

Foam-Control PLUS+ Tapered provides the drainage and insulation necessary under all commercial roofing systems and has been used successfully in millions of square feet of single-ply, modified bitumen, and built-up roofing.

Foam-Control PLUS+ Tapered is offered in a one-layer, integral compound system or modular format, both offering optimum design flexibility for the architect and saves the roofer/applicator time and labor. Also, pre-engineered factory cut cricket and saddle systems provide effective and economical drainage on structurally sloped roof decks.

Identification.

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

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

WWW.ACHFOAM.COM



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