

Below-Grade

EPS INSULATION

Insulation



ACH
FOAM TECHNOLOGIES

LEADING THE INDUSTRY IN EPS MANUFACTURING ●●●

Below-Grade

EPS INSULATION

ACH Foam Technologies' Below-Grade Foam-Control® EPS Insulation is an energy efficient, durable and versatile solution for foundation, perimeter and underslab applications. With up to 50% of a building's total heat loss occurring at the perimeter and slab of the foundation, below-grade insulation is crucial to achieving energy efficiency. Below-Grade Foam-Control® EPS Insulation is a proven and effective method of conserving heat energy in cold climates and air conditioning energy in warm climates. EPS's high R-Value, termite resistance, protection against backfill and expansive soils makes it the preferred below-grade insulation among architects, contractors and homeowners.

Foam-Control® EPS's rigid closed cell structure also provides superior moisture resistance and consistent performance in freeze-thaw conditions by raising the frost line around a foundation to prevent slab-edge heat loss and frost heave. ACH Foam Technologies' Below-Grade EPS can be provided with Perform Guard®, a proven and safe additive that effectively resists termites.

Typical R-Value thicknesses include R-5, R-7.5 and R-10. A variety of R-Value thicknesses are available upon request. EPS is environmentally safe and contains no CFC's, HCFC's, HFC's or formaldehyde.

Installation Instructions

- 1** Install Below-Grade Insulation for perimeter, underslab and protection board applications according to design drawings.
- 2** Insulation should be applied on a vertical surface with an adhesive that is compatible with the EPS insulation.
- 3** Install directly against foundation and below-grade surfaces. Reference building codes for additional installation information.
- 4** Can be used in direct contact with wet concrete, e.g. underslab.
- 5** For optimum performance provide drainage away from insulation and protect from petroleum distillates and long-term exposure to ultraviolet light.

Physical Properties

	R-5 Thickness	R-7.5 Thickness	R-10 Thickness	Compressive Strength	Water Absorption	Water Permeance
Type I	1.20"	1.80"	2.40"	10 (69)	4.0	5.0
Type II	1.10"	1.70"	2.20"	15 (104)	3.0	3.5
Type IX	1.05"	1.60"	2.10"	25 (173)	2.0	2.5

Insulation

Applications

- Foundation Insulation
- Perimeter Insulation
- Underslab Insulation
- Protection Board

Benefits

- Energy Efficient
Consistent Performance in Freeze-Thaw Conditions
- Lower Cost per R-Value
Available in R-5, R-7.5, and R-10
- Durable & Versatile
Easy to Handle and Install
- Moisture Resistant
Low Rate of Permeability
- Insect & Termite Resistant
Perform Guard® treatment available
- UL Certified

Quality

Thorough evaluations conducted by ICC-ES, combined with ACH's strict manufacturing specifications and quality control, assures our customers receive a consistently superior product. ACH Foam Technologies provides quality UL labeled EPS for below grade applications.

Caution: EPS contains a flame retardant; however, it should be considered combustible and not exposed to sources of ignition.

EPS core is manufactured to meet the requirements of ASTM C-578 and is listed under ICC 1006. Consult ACH Foam Technologies for current code compliance. Other sizes and densities available to suit project requirements.



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