



Technical Data Sheet

EARTHFOAM™ 1000

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EARTHFOAM™ 1000 is a water-blown, two-part, semi closed-cell, agri-based polyurethane spray-in-place foam. It is an eco-friendly foam developed with soy oils, recycled plastics, and non-ozone-depleting substances. It is formulated Naturally Green to be Naturally Sustainable.

EARTHFOAM™ 1000 is a good alternative over .5 lb or 2 lb foams. It provides some qualities of closed-cell and open-cell foams. With its R-value of 4.5, it achieves code, eliminates excess material, and minimizes trimming and time on the job. It also provides a medium price level between the traditional foams.

EARTHFOAM™ 1000 is applied by spraying liquid chemical components onto wall, ceilings, crawl spaces, attics, floors, foundations and other substrate surfaces. It provides superior thermal insulation properties and increases structural integrity of the building structure.

EARTHFOAM™ 1000 provides energy efficiency by sealing all cracks and voids of the building envelope and minimizes air and moisture infiltration.

Health and Safety

For detailed health and safety information, refer to the Material Safety Data Sheet for this product.

Warranty

This product is covered by a limited warranty against manufacturer's defects.

Disclaimer

Prior to designing and installing spray polyurethane foam insulation, code officials should be consulted for recommendation and approvals. Code laws vary from state to state and county to county. Polyurethane foam insulation requires a covering with a 15-minute fire-rated thermal barrier (ex. ½ in. gypsum board). Allow proper gas off and cooling time prior to installing coating or covering.

EARTHFOAM™ spray-in-place foam is designed to be applied by professional installers with specialty foam proportion equipment, heating the material to specified temperatures and pressures.

Technical specifications as shown are intended to be used as general guidelines only. The physical and chemical properties of **EARTHFOAM™ 1000** listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions.

EARTHFOAM™ 1000 Physical Properties

Yield per set 8000–9000 board feet (Individual results will vary)

Density	1.0 pcf	ASTM D-1622
Aged "R" Value	4.5 per inch	ASTM C-518
Compressive Strength	16 psi	ASTM D-1621
Moisture Vapor Transmission	3.5 perms @ 1"	ASTM E-96
Flame Spread	< 25	ASTM E-84
Smoke Development	< 450	ASTM E-84
Closed Cell Content	60–65%	ASTM D-2856
Fungus Growth	Pass (0 growth rating)	ASTM C-1338

Installation Recommendations

Agitation not required

Storage—Both A/B components between 55°F–85°F

*Not to exceed 100°F

*6-month material shelf life when stored within recommended temperature range

	<u>A Side</u>	<u>B Side</u>
Set Size (A/B Component)	500 lb.	500 lb.
Viscosity @ 25°C, cps	*250+/- 20	*340+/- 50
	*The weight will vary with variation of raw materials	
Weight / Gallon (75°F)	*10.3 lb. / gal.	*9.8 lb. / gal.
	*The weight will vary with variation of raw materials	
Iso: Resin Mix Ratio (vol:vol)	1:1	
Operation Preheat Temp	115–135°F	115–135°F
Operation Pressure	1000–1500 psi	
Recommended Jetting	01 Tip/ 01 Chamber (Round or Flat Spray)	
Ambient Surface Temp	40°F to 120°F	
Max. Lift per Pass	2–3 ½" / Pass	

*Allow material to gas off and cool to <100°F before additional passes.

*Always keep unauthorized personnel off job site for 24 hours after application.