



Exceeding Expectations

# R-FOAM

GEOFOAM EPS



## WHY NORTH CENTRAL FOAM?

You're thinking insulation is insulation, right? With all due respect, it's not. Here's why North Central Foam is a smart choice:

- **MORE ACCURATE DENSITY** - If you pay for 1-lb foam, don't settle for .8-lb foam
- **STRONGER, MORE DURABLE** - Because our foam has more density, it's tougher
- **CUSTOMIZED ORDERS** - We'll work with your specs
- **STATE-OF-THE-ART FACILITY** - More automation means lower prices and more supply
- **JOBSITE DELIVERY** - On larger jobs, we'll bring the product to you
- **EPS INDUSTRY ALLIANCE MEMBER** - We're committed to sustainability through innovation

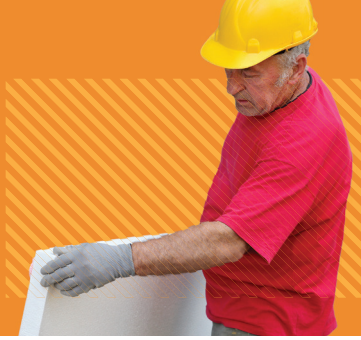
## ABOUT OUR PRODUCT

R-FOAM Geof foam EPS is a popular and cost effective construction insulation material. It's perfect for structural fill material, elevated slab applications and more because it's lightweight and is able to stand up to harsh conditions. Ideal for multiple uses such as bridge abutments, retaining walls, hills, stadium seats, and roads.

- **STABLE R-VALUE** - As long as it's in place, it keeps its thermal properties
- **LOW MOISTURE RETENTION** - Low moisture retention keeps walls dry
- **ENHANCED STRENGTH** - Strong enough to handle load pressure
- **ENVIRONMENTALLY SMART** - No harmful blowing agents; 100% recyclable
- **LOWER COST** - Our automated facility means lower prices
- **RESISTS MOLD & INSECTS** - Non-toxic additive to deter mold growth and insects
- **CODE APPROVED** - Recognized by the International Code Council Evaluation Service (ICC-ES)

BENEFITS

For additional product and installation information, visit us at [Northcf.com](http://Northcf.com)



## ASTM C-578 Physical Property Requirements of EPS Geofoam

PROPERTY		TYPE XI	TYPE I	TYPE VII	TYPE II	TYPE IX	
NORMAL DENSITY	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	0.75 (12)	1.00 (16)	1.25 (20)	1.5 (24)	2.00 (32)	
DENSITY <sup>1</sup> , MIN.	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	0.70 (12)	0.90 (15)	1.15 (18)	1.35 (22)	1.80 (29)	
DESIGN THERMAL RESISTANCE PER 1.0 IN. THICKNESS	75° F	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	3.22 (0.57)	3.85 (0.68)	3.92 (0.69)	4.17 (0.73)	4.35 (0.77)
	40° F	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	3.43 (0.60)	4.17 (0.73)	4.25 (0.75)	4.55 (0.80)	4.76 (0.84)
THERMAL RESISTANCE <sup>1</sup> , MIN PER 1.0 IN. THICKNESS	75° F	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	3.10 (0.55)	3.60 (0.63)	3.80 (0.67)	4.00 (0.70)	4.20 (0.74)
	40° F	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	3.30 (0.58)	4.00 (0.70)	4.20 (0.74)	4.40 (0.77)	4.60 (0.81)
COMPRESSIVE STRENGTH <sup>1</sup> @10% DEF., MIN.	psi (kPa)	5.0 (35)	10.0 (69)	13.0 (90)	15.0 (104)	25.0 (173)	
FLEXURAL STRENGTH <sup>1</sup> MIN.	psi (kPa)	10.0 (69)	25.0 (173)	30.0 (208)	40.0 (276)	50.0 (345)	
WATER VAPOR PERMEANCE <sup>1</sup> OF 1.0 IN. THICKNESS, MAX., PERM		5.0	5.0	3.5	3.5	2.0	
WATER ABSORPTION <sup>1</sup> BY TOTAL IMMERSION, MAX., VOLUME %		4.0	4.0	3.0	3.0	2.0	
OXYGEN INDEX <sup>1</sup> MIN., VOLUME %		24.0	24.0	24.0	24.0	24.0	
FLAME SPREAD <sup>2</sup>		20	20	20	20	20	
SMOKE DEVELOPED <sup>2</sup>		150-300	150-300	150-300	150-300	150-300	

<sup>1</sup>See ASTM C-578 Standard Specification for complete information