



EPS STOOP FILL

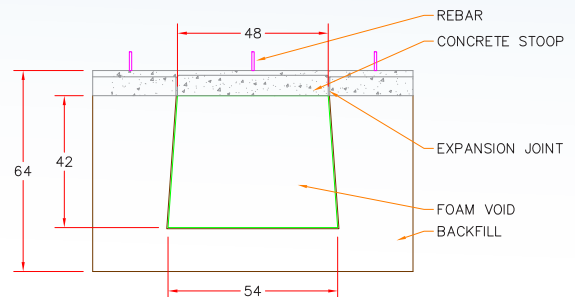
by *Benchmark Foam*

Facilitating a quick, easy and stable installation

Forming the footings for concrete slab stoops outside of commercial and residential entrances often takes crews several hours over the course of multiple days. Between setting the forms, pouring the concrete, backfilling and compacting the soil, the process quickly becomes time-consuming in an industry where time is everything.

Made of expanded polystyrene foam, **EPS Stoop Fill** is used as a super lightweight fill material that is simply placed and backfilled before pouring the concrete slab.

- Save time and labor with 1-step installation.
- Less risk of sinking or settling soils than traditional fill materials.
- Customize to accommodate underground utilities such as pipes, drains.
- Beveled sides help create more downward pressure once backfilled.



EPS is often used in under slab construction and can be produced at higher compressive strengths to meet any project need. Placing concrete slabs reinforced with footings outside entry doors is a common building code and is recommended to keep the stoop in place for the life of a building.

Specifications:

- Meets or exceeds structural standards from ASTM D6817 for EPS Geofoam.
- Manufactured with certified EPS.
- Product dimensions customizable to project needs.

Since all jobsites are different, consult with the project engineer to ensure soil conditions are satisfactory and adequate groundwater conditions are met.

EPS Stoop Fill Technical Data

Property	Units	ASTM Test	Values Meet or Exceed ASTM C578	
Density, min.	lbs/ft ³	C303 or D1622	0.90	
Thermal Resistance "R Value"	Two inches thick	C177 or C518	@ 40° F @ 75° F*	4.17 3.85
Strength Properties, minimum				
Compressive (@ 10% deformation)	psi	D1621		10.0
Flexural	psi	C203		25.0
Moisture Resistance				
Water Absorption (by total immersion, max.)	vol %	C272		<4.0
Water Vapor (Permeance, max.)	Perms	E96		5.0
Buoyancy Force	lbs/ft ³			60
Oxygen index, min.	vol %	D696		24.0
Flame Spread @ 6"		UL® (BRYX)		20
Smoke Development		UL® (BRYX)		300

All values are based on data from Flint Hills Resources, NOVA Chemical Company and BASF Corporation.

*Federal Trade Commission ruling: Use the 75° R-Value when calculating R-Values for residential construction (fact sheet available upon request).

DESIGN CONSIDERATIONS:

Flammability: Like many construction materials, expanded polystyrene (EPS) is combustible. It should not be exposed to flame or other ignition sources. Current building code requirements should be met for adequate protection or separation from occupied areas.

Solvent Exposure: EPS is subject to attack by petroleum-based solvents and adhesives, and coal tar pitch products. Care should be taken to prevent EPS direct contact with these products and their vapors. Use only adhesives approved for EPS applications.

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