



Voids

Insulfoam EPS Concrete Blockouts

Insulfoam EPS is the right alternative when it comes to concrete blockouts. EPS is truly an amazing product with unmatched versatility and performance. Take advantage of that versatility when using EPS as a concrete blockout in the production of concrete foundations, walls, bridges or road overpasses, and much more. No other alternative product provides the advantages and benefits of EPS at such a cost-competitive price

- Very lightweight, durable, and easy to handle
- Cost effective when compared to other alternatives
- Cuts easily to any shape, size, or thickness
- Does not emit chemicals or gasses into the concrete that can cause surface cracking
- Provides high, long-term thermal protection
- Dimensionally stable
- Environmentally friendly, with no ozone depleting HCFC's



PHYSICAL PROPERTIES OF EXPANDED POLYSTYRENE

PROPERTY	ASTM Test	Type I	Type VIII	Type II	Type IX
TYPICAL TESTED R-Values for use in thermal resistance design calculations					
R-Value*	C177/C518	1.00	1.25	1.5	2.0
Nominal density lb/ft ³	AT 40° F	4.17	4.25	4.55	4.76
Thermal Resistance Per 1.00 in. (25.4mm) thickness	AT 75° F	3.85	3.92	4.17	4.35
PHYSICAL REQUIREMENTS of RCPS Thermal Insulation Meeting ASTM C578 Minimum and Maximum allowable values					
DENSITY , minimum lb/ft ³ (kg/m ³)	C303/D 1622	0.9 (15)	1.15(18)	1.35 (22)	1.8 (29)
THERMAL RESISTANCE	C177/C518				
1.00 in (25.4mm) thickness	AT 40°F	4.0 (0.70)	4.2(0.74)	4.4 (0.77)	4.6 (0.81)
Minimum °F ft ² /Btu (K m ² /W)	AT 74°F	3.6 (0.63)	3.8 (0.68)	4.0 (0.70)	4.2 (0.74)
COMPRESSIVE resistance at yields or 10% deformation, whichever occurs first (173) (with skins intact), minimum psi (kPa).	C 165/D 1621	10.0 (69)	13.0 (90)	15.0 (104)	25.0
FLEXURAL strength, minimum psi (kPa) (345)	C 203	25.0 (173)	30.0 (201)	40.0 (276)	50.0
WATER VAPOR permeance of 1.00 inch (25.4mm) thickness max. per (ng/Pa s m ²)	E 96	5.0 (287)	3.5 (201)	3.5 (201)	2.0 (115)
WATER ABSORPTION by total immersion Maximum volume %	C 272	4.0	3.0	3.0	2.0
DIMENSIONAL STABILITY (change in dimensions) maximum %	D 2126	2.0	2.0	2.0	2.0
OXYGEN INDEX , minimum %	D 2863	24.0	24.0	24.0	24.0

ASTM C 578 (Supersedes Federal Specification HH-1-52C)

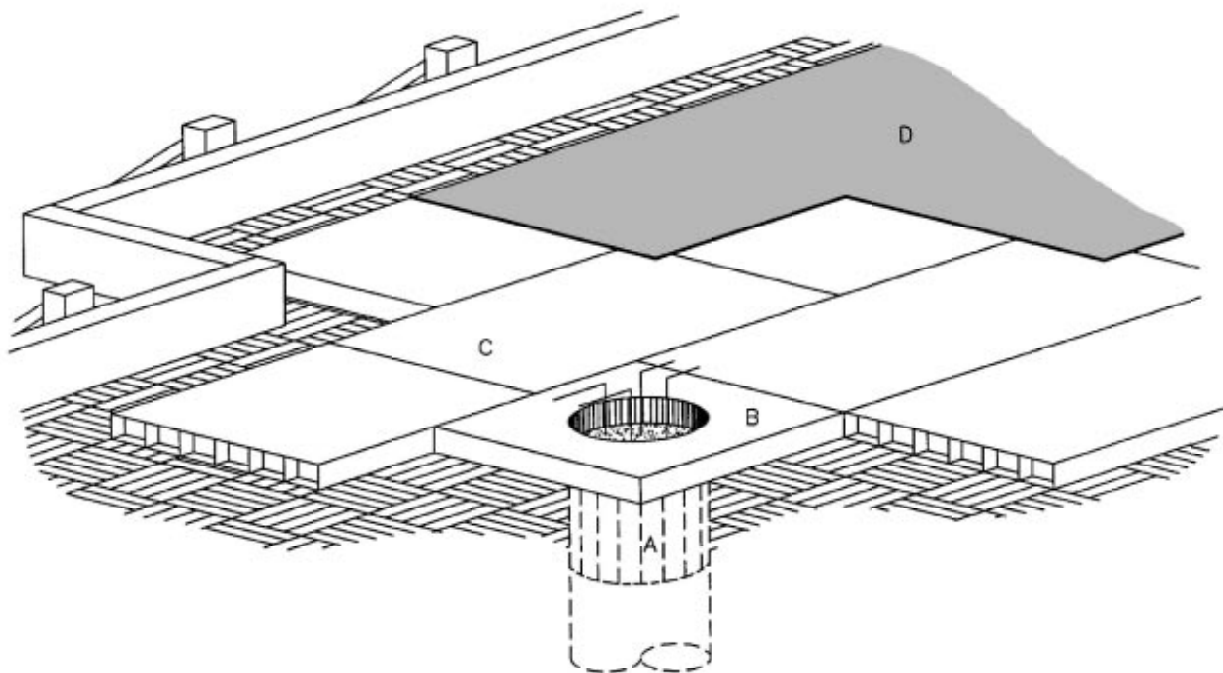
*Typical Testing R-Values are based on data provided by ARCO Chemical Co. BASF Corp. and Huntsman Chemical Company

Voids



The SlabVoid® System

SlabVoid® is a corrugated paper product that creates a temporary support for the placement of a structural concrete slab. It helps eliminate severe damage by creating a space between the slab and underlying expansive soils.



SlabVoid® System Components:

- A. SureTop™ – Cylindrical, corrugated paper or plastic form that properly forms and contains the upper portion of concrete piers.
- B. SureRound PierVoid® – Pre-manufactured, non-field cut, sealed unit with curved, radial, vertical edge adjacent to drilled pier, conforming to pier diameter.
- C. SlabVoid® – A uniform cellular interior configuration, capable of sustaining all vertical loads until they become self-supporting, while maintaining full void depth as indicated on drawings.
- D. SureCover Board™ – Fully wax impregnated corrugated paper, or 1/8" to 1/4" hardboard to protect forms from damage during concrete placement.

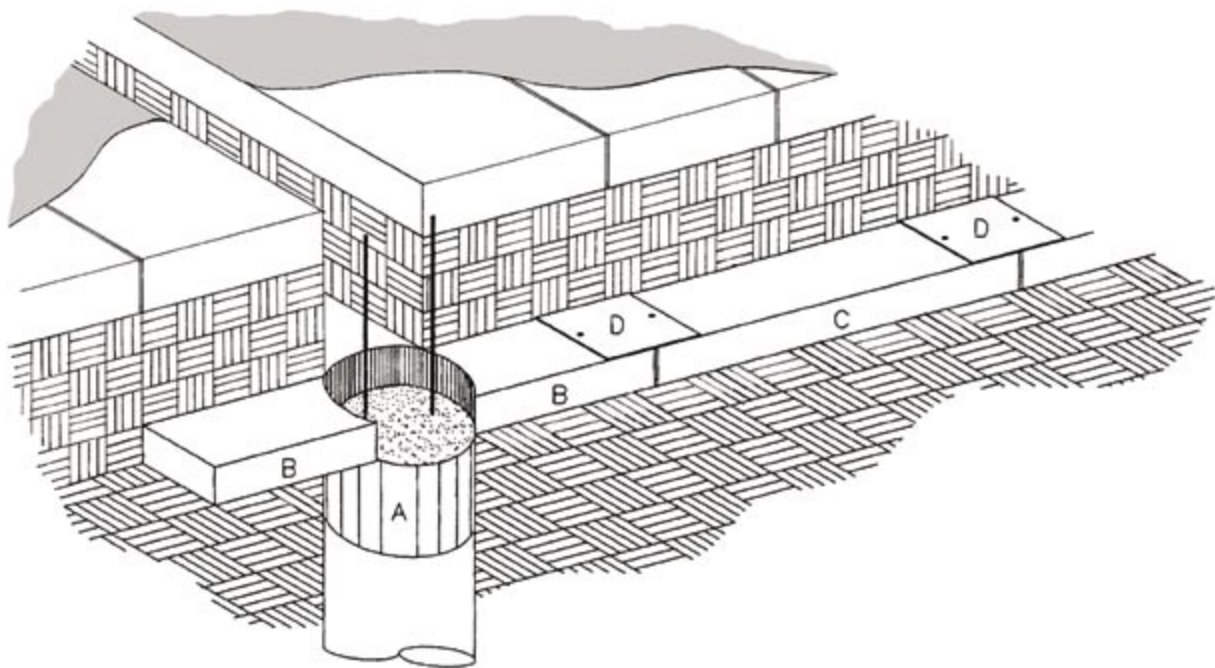
SlabVoid® contains various corrugated papers of different strengths and flutes, bonded together with white, water-based adhesive or held in place with staples. Its structural strength is designed to weaken by the gradual absorption of moisture as the concrete sets. Thus, an adequate void is attained which will allow the ground to heave without causing structural damage to the concrete slab. The SlabVoid® interior is composed of a cellular network and is surrounded by a wax-coated cover.



Voids

The TrenchVoid™ System

TrenchVoid™ is a corrugated paper product that creates a temporary support for the placement of concrete walls and grade beams spanning between supporting elements where expansive soils are present below.



TrenchVoid™ System Components:

- A. SureTop™ – Cylindrical, corrugated paper or plastic form that properly forms and contains the upper portion of concrete piers.
- B. ArcVoid® – Pre-manufactured, non-field cut, sealed unit with curved, radial, vertical edge adjacent to drilled pier, that conforms to pier diameter.
- C. TrenchVoid™ – A uniform cellular interior configuration, capable of sustaining all vertical loads until they become self-supporting, while maintaining full void depth as indicated on drawings.
- D. Seam Pads – Covers void form joints to prevent moisture and concrete from flowing in between and into the TrenchVoid™ interior.

TrenchVoid™ contains various corrugated papers of different strengths and flutes, bonded together with white, water-based adhesive or held in place with staples. Its structural strength is designed to weaken by the gradual absorption of moisture as the concrete sets. Thus, an adequate void is attained which will allow the ground to heave without causing structural damage to the concrete grade beam. The TrenchVoid™ interior is composed of a cellular network and is surrounded by a wax-coated cover.