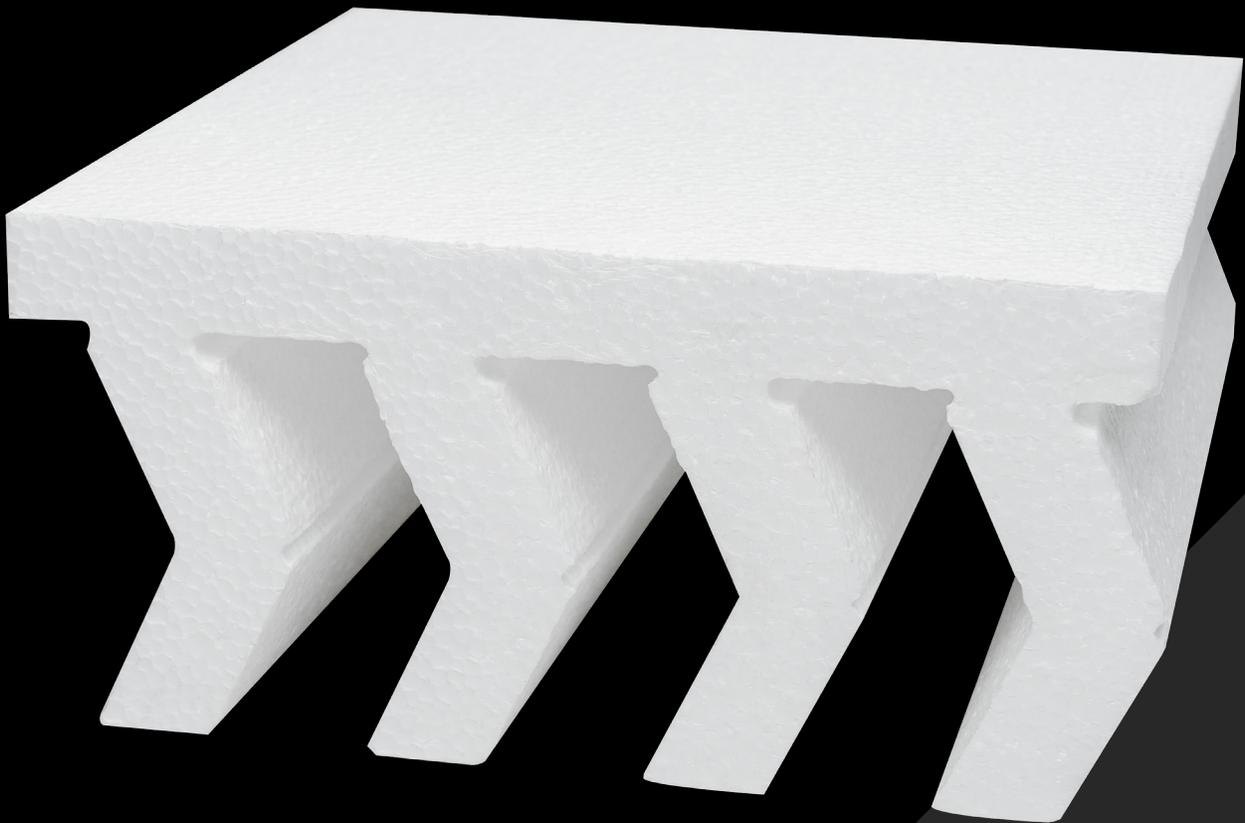




SuperForm™ EPS+
SuperVoid

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Building a better future.

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SuperForm™ EPS+ SuperVoid

SuperVoid is engineered to support wet concrete during construction phase and then protects the slab from ground movement by creating a space between the slab and soil. Over time it will collapse from underlying soil forces protecting the slab. Once the structural slab is self supporting, the **SuperVoid** is able to collapse from the pressure of moving underlying soils. The legs are engineered with specific breaking points and the correct angle to fold together at the right place, creating consistent performance in every form. **SuperVoid** is tested to perform; once the form is preloaded with the weight of the slab, it collapses at acceptable uplift pressures from underlying soils. As an added benefit it also provides all the benefits of EPS insulation, protecting the slab from freezing temperatures.

SuperVoid is manufactured from expanded polystyrene (EPS) resin using a pentane blowing agent, a process does not use the hydrofluorocarbons (HFCs). The result is a high grade closed, air-filled cell structure that does not contain HFCs with a very low impact on the environment. This product is a efficient solution to protect concrete structural slab against forces of frost heave or any ground swell that may stress or damage to the slab. Its stable R-value coupled with its low moisture absorption properties while quickly releasing moisture makes **SuperVoid** ideal for underneath structural slabs.

Features & Benefits of SuperVoid

Engineered

- Tested to perform under structural slabs.

Stable R-Value

- Provides a stable R-value that does not deteriorate over time.

Moisture Resistance

- Closed cell polystyrene insulation is proven to not be affected by moisture.

Vapor Permeable

- Allows moisture vapor to effectively move through its structure.

Drying Potential

- Designed to quickly release moisture and maintain its R-value over time.

Low Environmental Impact

- Does not use or contain ozone-depleting blowing agents such as HFCs.

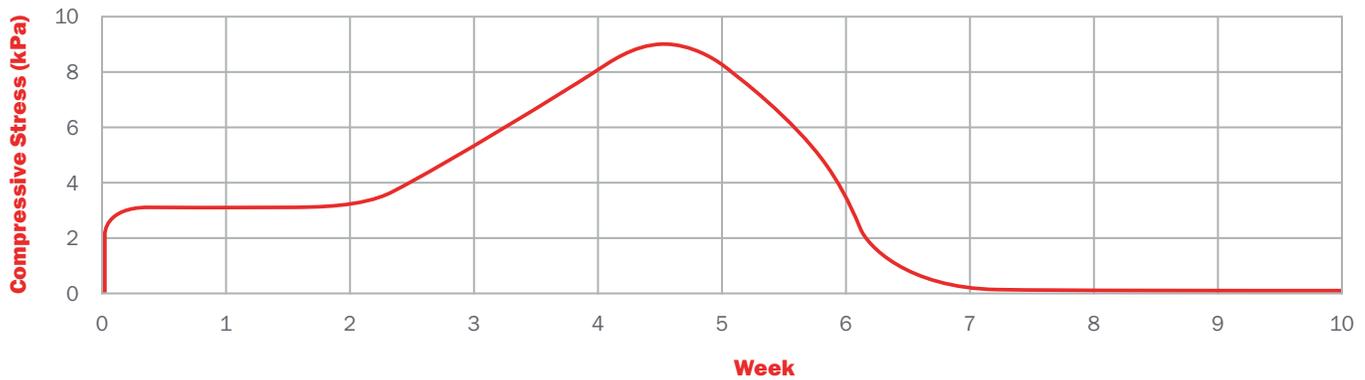
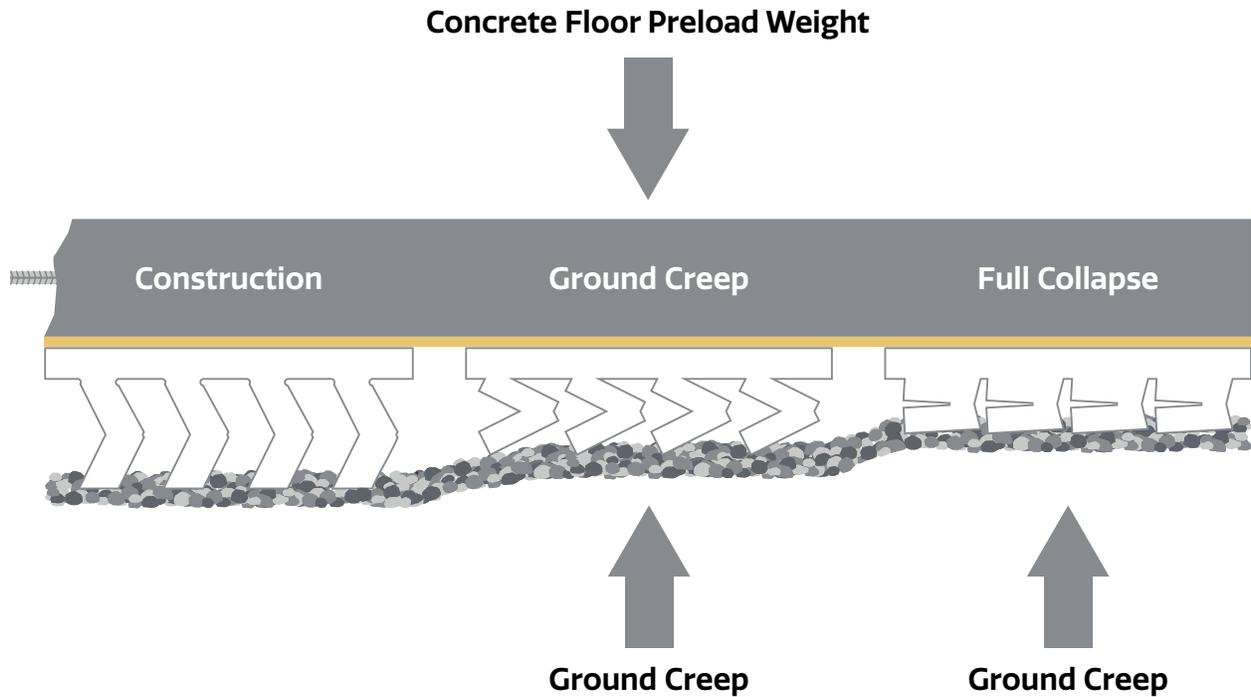
User Friendly

- Lightweight, easy-to-install, easy to fit around obstacles.

Packaging

- All pieces come interlocked for to maximize shipping and storage space.

Construction Phases



Product K Performance Range: 6.1 – 8.7 kpa Slab Thickness: 4"-12"

(Concrete is calculated at 150 lbs/cu. ft.)

Calculations

Calculate the total preload on the SuperVoid by determining the total slab thickness. (0.6 kpa per board foot). Subtract the slab preload kpa from the Max kpa of the product and you will get the ground uplift Kpa on the slab.

Slab thickness x 0.6 kpa (concrete weight/board foot) = total slab preload kpa

8.7 kpa (product K max performance) - total slab preload kpa

= Ground lift kpa on slab

Installation

SuperVoid must be placed on a smooth level base. Start at one end and place pieces to far end of prepped slab. Care must be taking not to damage any legs during install as this could hinder the effective use of this product. Once SuperVoid has been installed a cover sheet must be placed over it to distribute point loads.

EPS Product Testing

Custom Test Report #: T1333-7

CAN/ULC-S701: Standards for Thermal Insulation, Polystyrene, Boards and Pipe Covering.

ATSM C578: Standard Specification for Rigid, Cellular Polystyrene of Rigid Cellular Insulation.

ASTM D1621: Standard Test Method for Compressive Properties of Rigid Cellular Plastics.

ASTM D2842: Standard Test Method for Water Absorption of Rigid Cellular Plastics

ATSM E96: Standard Test Methods for Water Vapor Transmission of Materials.

ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials.

CCMC #: 14097L

QAI Listing #: B1051-2

Technical Properties

Flame Spread Index / Smoke Developed Index: Less than 25/450 to ASTM E84.

Thermal Resistance: RSI-0.65 to 0.87 (R-3.7 to R-5), depending on model.

Water Absorption (by volume): Maximum 4.0 percent, to ASTM D2842.

Water Vapour Permeance: Maximum 160 ng/Pa.s.sq m (2.8 Perm-inch), to ASTM E96.

Standard Bundle Sizes Available

4"	4' x 4' 10 pcs/bag 4 bags high 40 pcs/skid 1040 pcs/trailer
6"	4' x 4' 6 pcs/bag 4 bags high 24 pcs/skid 624 pcs/trailer

Distributed by:



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DISCLAIMER

SuperForm Products will not be held responsible for this product that does not perform as expected. Without adequate proof that it was transported, stored, installed, or used properly as per SuperForm Products Warranty SuperVoid guidelines.