

StormVoid supports concrete for below-grade construction on expansive soils. Its durable design creates permanent void space and uniformly distributes loads, even in wet conditions or bad weather.



KEY FEATURES

Eliminates costly damage that may be caused by uplift pressures by creating a void space between newly placed structural concrete and underlying expansive soils.

Handles and installs easily as a complete, assembled, lightweight unit with a wax-coated exterior and a waterproof interior support network.

Supports specific loads imposed by newly placed concrete and steel when positioned on stable soil, even if it is submerged in water.

Collapses before uplift pressure from the heaving soil can apply damaging stress to the concrete structure above.

Don't let inclement weather delay your construction schedule.

Contact us today for immediate assistance.

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Technical Overview

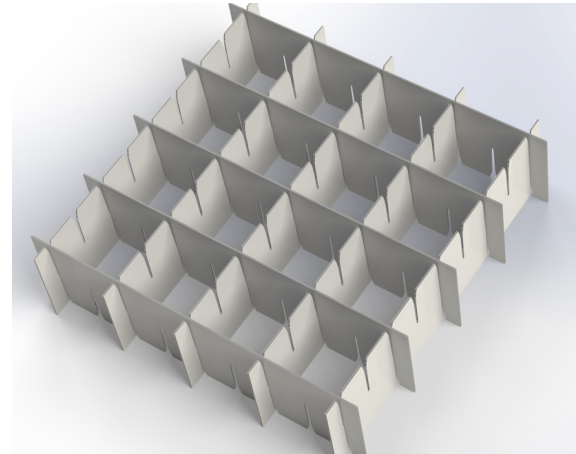
Unlike paper void products which degrade by moisture, StormVoid's performance is based on the non-degradable interior components. While both materials maintain a void space between slab and soil to prevent uplift damage to the slab from expansive soils, StormVoid can be installed in wet conditions.

The StormVoid boxes are designed to support specific weights of wet concrete and construction loads during the set period. Once the concrete is set and the outer carton exterior degrades, only the copolymer plastic grid structure is left.

The cross members of the grid structure flex and act as a cushion for any expanding soil. Additionally, the open grid structure provides a path for soil to expand through the individual cells, mitigating uplift pressures.

INSTALLATION REQUIREMENTS

1. A stable, even, supporting base is needed to ensure that StormVoid will support the structural concrete. Methods and materials used to stabilize the ground are selected at the engineer's discretion and should be determined by specific job site conditions.
2. Unload, handle, and install with care to maintain the structural integrity of the product.
3. Keep StormVoid dry before placement to ensure the interior supports remain in the proper position.
4. To shorten StormVoid, cross-cut ONLY from the bottom side. The remaining filler pieces must be 12" or more and the interior cellular pattern must include at least two supports running in both directions.
5. The entire top surface of StormVoid must be covered with StormCover Sheet, a 5 mm-thick, waterproof polypropylene board, as a protective layer to bridge small gaps. 1/4" hardboard and 7/16" OSB will rapidly degrade when wet and must be kept dry prior to concrete placement.
6. When required, place the vapor barrier over the entire surface of the protection board.



TYPE

Beam: To be placed under vertical walls and beams, typically 2' to 10' tall

Slab: To be placed under structural slabs, typically 6" to 60" thick

Contact our engineers for additional applications

DIMENSIONS

Height: ~ 4" to 12" (can be stacked to create additional height with a StormCover Sheet between layers)

Width: ~ 6" to 30" (can be positioned side-by-side for beams wider than 30")

Length: ~ 60"

TECHNICAL INFO

Wrap: Moisture resistant exterior paper sheet, overlapped or tucked and secured with staples

Interior: Waterproof, fluted polypropylene plastic

End Caps: Waterproof, fluted polypropylene plastic (not included in StormVoid Slab)

Have Questions? 888.704.8643 • sales@voidform.com • voidform.com