

StormVoid™ Technical Notes

StormVoid™ is a construction product that supports liquid concrete under beams, walls, and slabs. It is ideal for use in wet soil conditions during periods of inclement weather. The exterior cover is a moisture resistant corrugated paper sheet that wraps around the entire supporting network, then overlapped or tucked and secured with staples. The interior is comprised of fluted polypropylene plastic components. The assembled product has stapled end caps that prevent liquid concrete from flowing into the interior (StormVoid™ Beam only). The design uniformly supports and distributes imposed concrete loads while creating a permanent void space under commercial or residential structures that are constructed on expansive soils. StormVoid™ can be confidently used to create the specified void space when unexpected weather would otherwise prevent the installation of traditional corrugated paper carton forms.

INSTALLATION REQUIREMENTS

1. A stable, even, supporting base is needed to ensure that StormVoid™ will ultimately support the structural concrete. Methods and materials used to stabilize the ground are selected at the contractor's discretion and should be determined by specific jobsite conditions.
2. StormVoid must be unloaded, handled and installed with care in order to maintain the structural integrity of the product.
3. StormVoid™ must be kept dry prior to placement to ensure the interior supports remain in the proper position.
4. If StormVoid™ pieces need to be shortened; they must be cross-cut ONLY from the bottom side. The resultant filler pieces shall be no less than 12" and the interior cellular pattern must be maintained, having a minimum of two supports running in both directions.
5. It is strongly recommended that the entire top surface of StormVoid™ be covered with 7/16" oriented strand board (OSB) to bridge small gaps, distribute working loads, and protect against puncture from rebar chairs, work boots, etc. during rebar installation and concrete placement. A protective covering of 1/4" hardboard can be used in lieu of 7/16" OSB if it is kept dry prior to concrete placement. Please be advised that hardboard will rapidly degrade when saturated.
6. Position vapor barrier over the entire surface of the protection board when covering structural slabs.

TYPE AVAILABLE

- ◆ Beam – to be placed under vertical walls and beams in wet soil conditions
- ◆ Slab – to be placed under structural slabs in wet soil conditions

ADVANTAGES

1. Lightweight
2. Easy to install
3. Creates void space under walls/beams and structural slabs
4. Plastic interior allows placement on supportive, wet soil during periods of inclement weather

AVAILABLE DIMENSIONS

- HEIGHT – Approximately 4" to 12"
WIDTH – Approximately 12" to 30" (can be positioned side-by-side for beams wider than 30")
LENGTH – Approximately 60"

TECHNICAL DATA

- WRAP – Moisture resistant exterior sheet, overlapped or tucked and secured with staples
INTERIOR – Waterproof, fluted polypropylene plastic
END CAPS – Waterproof, fluted polypropylene plastic (StormVoid™ Beam only)