



SureVoid.

1. Product Name

SureVoid® - Corrugated Paper Carton Void Forms for Concrete Construction

2. Manufacturer

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3. Product Description

BASIC USE

SureVoid® corrugated paper construction products create space between concrete structures and expansive soils, thereby isolating the concrete from the swelling ground. SureVoid provides a temporary support platform for concrete placement until the grade beam or structural slab sets and can support itself across drilled piers, pads, intermittent footings or other concrete work. The SureVoid material, lying under structural concrete construction, gradually absorbs ground moisture and loses its strength after the concrete has set, creating space into which soil can expand without causing damage. With its unique design (see Figure 1), SureVoid can be made to support nearly any concrete wall height and width or any structural slab thickness. SureVoid products are also used in other areas of concrete forming where creating spaces is required. They are frequently utilized in areas with limited access for form removal after concrete placement. In addition, they can be used to displace concrete volume where reduction of weight or cost of the structure is a consideration.

TYPES

The SureVoid product line includes a variety of standard and custom forms that meet a wide range of requirements:

WallVoid® System (see Figure 2):

- A. SureTops™ - Cylindrical corrugated forms that properly contain and shape upper portion of concrete piers
- B. ArcVoid® - Preformed void at pier with radial, sealed vertical edge to conform to pier diameter
- C. WallVoid® - Creates a gap between vertical concrete walls or grade beams and underlying expansive soils
- D. Seam Pads™ - Cover exposed joints to eliminate concrete flow between void forms

SlabVoid® System (see Figure 3):

- A. SureTops™ - Cylindrical corrugated forms that properly contain and shape upper portion of concrete piers
- B. SureRound PierVoid® - Preformed void forms with radial sealed vertical edges that correctly surround the upper portion of drilled piers
- C. SlabVoid® - Creates a gap between concrete structural slabs and underlying expansive soils
- D. SureCover Board™ - Hardboard that protects forms from puncture and other damage during concrete placement

Various Blockout Forms:

- SureLedge™ - Blocks out concrete where brick or tile placement is required
- Commercial SureLedge™ - Blocks out concrete for brick or tile placement in oversized areas
- Vertical Separator Void™ - Separates freshly placed concrete from an existing vertical structure where minimal space prohibits conventional forming methods
- Other custom products - Blockouts, beam pockets, keyways, architectural chamfer ledge, PanVoid™ Forms and PanVoid Caps for waffled structures

COMPOSITION & MATERIALS

SureVoid is available in the most widely used standard sizes and strengths. Custom products are also easily obtained. Most products can be shipped either factory-assembled or in knock-down (K.D.) form for easy onsite assembly. The factory-assembled products are secured with a white water-based food adhesive. The K.D. versions are assembled on the project site or in a warehouse using staples. SureVoid can be made from a variety of corrugated paper types and strengths depending

upon the application or engineer's specification requirements. The interior design provides uniform support to loads encountered during concrete placement. Because the support network spans the entire length and width of each piece, it offers strength for lateral pressures incurred as well as the principal vertical loads. Corrugated paper liners can be added to the interior to help resist deflection. The exterior cover surrounding the support network is coated with a paraffin wax to resist premature moisture penetration. End caps and seam covers are available to seal any exposed ends, which will help prevent the flow of concrete into the void.

LIMITATIONS

SureVoid products should not be exposed to moisture prior to concrete placement. Improper handling, storage, or installation, as well as adverse weather or humidity conditions may affect the proper performance of the product. In addition, loads that exceed the manufacturer's recommendations may cause product damage.

4. Technical Data

Independent tests results of compression strengths for various interior support configurations can be obtained through the manufacturer.

APPLICABLE STANDARDS

Products comply with U.S. Army Corps of Engineers specifications for void forms.

ENVIRONMENTAL CONSIDERATIONS

Most of the paper stocks that are used have a high content of recycled paper. All elements of SureVoid products are not-toxic and are ecologically sound. In addition, most are biodegradable.

5. Installation

PREPARATORY WORK

Literature and videos for onsite assembly and installation are available from the manufacturer. SureVoid products are lightweight and easy to install; most blockout products have a wood backing or nailing flanges, and can be nailed, screwed, or clamped into place. Because all products are made from corrugated paper, they can be easily cut to fit with an ordinary handsaw. Installation procedures should not deviate from manufacturer's



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recommendations; basic installation guidelines are:

- Products must be kept dry at all times prior to concrete placement.
- For WallVoid and SlabVoid products, prepare ground surface on an even plane.
- Use seam covers and end caps to prevent absorption of water and the flow of concrete into open unprotected areas.
- For SlabVoid, protective hardboard overlay is recommended to prevent puncture from vibrator stingers, work boots, or rebar chairs.
- For Commercial SureLedge™, a wood matrix is used for ease of installation and added supporting strength.
- For SureLedge™ used with aluminum form systems, LedgeLock™ brackets are available to hold the pieces in place.
- Specific recommendations or details for installation on a particular project can be obtained from the manufacturer.

6. Availability & Cost

AVAILABILITY

Products are available through established regional distributorships throughout the U.S. or through direct shipment. Products can be shipped on an international level. Contact the manufacturer for details.

COST

Due to the variety of applications and required strengths, products are quoted on a job-by-job basis. However, some standard product pricing is available from the manufacturer or an authorized distributor.

7. Warranty

SureVoid Products, Inc., guarantees its products are free from defects in workmanship. However, no warranty is expressed or implied on product performance due to variations in working conditions and individual installation procedures. There is no warranty on merchantability and there is no warranty on fitness for a particular purpose.

8. Maintenance

Reuse of ledge materials and various blockouts is possible when wrapped in plastic prior to installation. Stay in place void forms that have been wrapped in

plastic as protection from the elements should be cut along the sides after form removal. This will allow ground moisture to penetrate and weaken the void material.

9. Technical Service

Instructions for use can be obtained through the manufacturer or an authorized representative.

10. Filing Systems

- Architects' First Source for Products
- Additional product information available from the manufacturer.

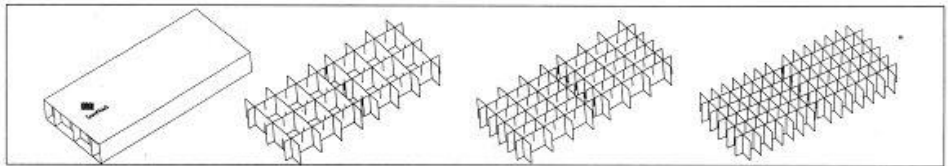


Figure 1 SlabVoid interior design allows dynamic strength capabilities

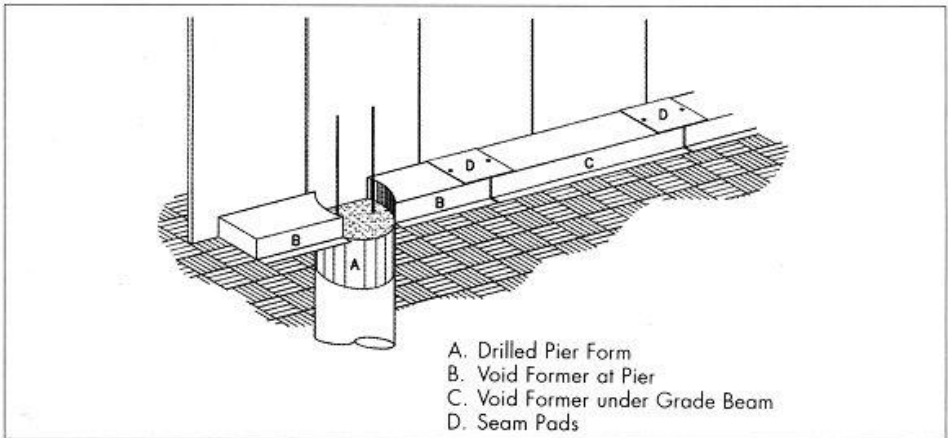


Figure 2 WallVoid System

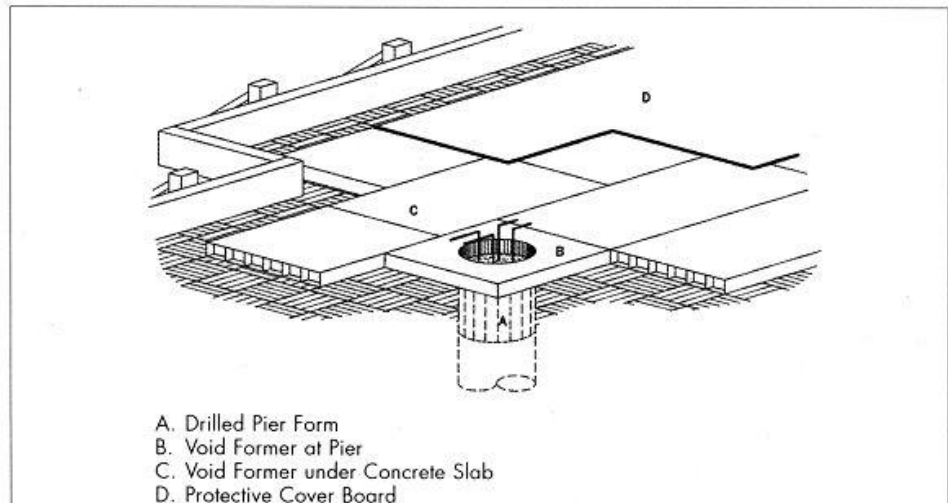


Figure 3 SlabVoid System