1. **Product Name**

SureVoid® – Corrugated Paper Carton Void Forms for Concrete Construction

2. **Manufacturer (Multiple Locations)**

VoidForm Products, Inc.
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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 the 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®/TrenchVoid® System (see Figure 2):**
  - **SureTop™** – A circular, plastic form that properly contains and shapes the upper portion of a concrete pier
  - **ArcVoid®** – Premanufactured void forms with radial, sealed, vertical edges that conform to each drilled pier perimeter to correctly create void space where the grade beam connects with the pier
  - **WallVoid/TrenchVoid® – Creates void space between vertical concrete walls or grade beams and the underlying expansive soils**
  - **SureCover™ Board** – Protects void forms from puncture damage, eliminates concrete flow between the pieces by spanning small gaps, and prevents weakening of the void form by distributing the working load
  - **SureRetainer/BakFill Retainer™ – Soil retainers that prevent backfill soils from impeding into the space created by the void forms**

- **SlabVoid® System (see Figure 3):**
  - **SureTop – A circular, plastic form that properly contains and shapes the upper portion of a concrete pier**
  - **SureRound PierVoid® – Premanufactured void forms with radial, sealed, vertical edges that conform to each drilled pier perimeter to correctly create void space where the slab connects with the pier**
  - **SlabVoid – Creates void space between concrete structural slabs and underlying expansive soils**
  - **SureCover Board – Protects void forms from puncture damage, eliminates concrete flow between the pieces by spanning small gaps, and prevents weakening of the void form by distributing the working load**
  - **SureRetainer/BakFill Retainer – (not shown) Soil retainers that prevent backfill soils from impeding into the space created by the void forms**

**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 on-site assembly. The factory-assembled products are secured with a white water-based food packaging adhesive. The K.D. versions are assembled on the project site or in a warehouse using staples. SureVoid can be manufactured with a variety of strengths and types of corrugated paper, depending upon the application and/or the 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 uniform strength to support specific vertical loads. The exterior cover surrounding the support network is coated with a paraffin wax to resist premature moisture penetration. End caps are available (standard on void forms for walls and grade beams) to seal any exposed ends to prevent the flow of concrete into the void form interior.

**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 can be made to comply with U.S. Army Corps of Engineers specifications.

**ENVIRONMENTAL CONSIDERATIONS**

Most of the paper stocks that are used have a high content of recycled paper. All elements of SureVoid products are non-toxic and are ecologically sound. In addition, most are biodegradable.

5. **Installation**

**PREPARATORY WORK**
SureVoid products are lightweight and easy to install. Literature and videos for on-site assembly and installation are available from the manufacturer. Basic installation guidelines are as follows:

- Products must be kept dry at all times prior to concrete placement.
- For WallVoid/TrenchVoid and SlabVoid products, prepare ground surface on an even plane.
- Use end caps to prevent the absorption of water and the flow of concrete into open unprotected areas.
- For SlabVoid, protective hardboard overlap is recommended to prevent puncture from vibrator stingers, work boots, and rebar chairs.
- For Commercial SureLedge, a wood matrix is used for ease of installation and added supporting strength.
- Specific recommendations or details for installation on a particular project can be obtained from the manufacturer.

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 the manufacturer’s recommendations.

### 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

VoidForm Products, Inc. guarantees that its products are free from defects in workmanship. However, there is no warranty, express 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 form material.

### 9. Technical Service

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

### 10. Filing Systems

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

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**Figure 1 – Interior Design Provides Dynamic Strengths**

**Figure 2 – WallVoid/TrenchVoid System**

**Figure 3 – SlabVoid System**