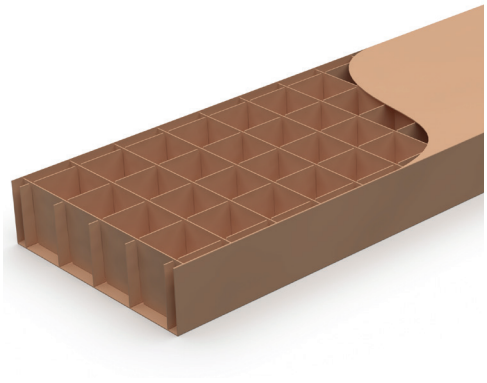
VoidForm SlabVoid®

SlabVoid® creates a void space under structural concrete slabs, allowing soil to expand without causing damage.



DESCRIPTION

SlabVoid temporarily supports freshly placed concrete slabs until they become self-supporting, spanning across drilled piers or other foundation elements.

The strength of SlabVoid weakens through the gradual absorption of moisture from the soil and the humidity generated as the concrete sets. This loss of strength creates a void space into which soil can heave without lifting the slab and causing cracks or other structural damage.

SlabVoid is comprised of biodegradable corrugated paper types having different strengths and flutes, which are laminated with moisture-resistant adhesive. A wax-coated exterior cover surrounds the interior cellular support network. The components are adhered together and/or held in place with staples.

INSTALLATION

1. Keep SlabVoid dry at all times prior to concrete placement.
2. Prepare grade to an even, smooth surface.
3. Install PierVoid® at piers where required.
4. Place SlabVoid pieces starting at the perimeter of the slab area.
5. Crosscut pieces with a handsaw to fit into non-modular areas.
6. Insert End Caps on open pieces that will be exposed to concrete.
7. Place SureCover Board™ over entire top surface to span small gaps and to protect the void forms against punctures and pinpoint loads.
8. If vapor barrier is required, it should be placed above the SlabVoid and SureCover Board.
9. Install steel and place concrete.

DIMENSIONS

Height: 4" to 24"
Width: 24" or 30"
Length: 60"

MATERIAL

Cover: B-Flute or C-Flute (32 to 44 ECT) Corrugated Wax-Coated Paper (Light Curtain Coat) (a non-wax bottom panel may be provided to increase absorption)

Interior: C-Flute or DW (44 to 51 ECT) Corrugated Paper (Kraft or WIM)

STRENGTH

Working load as recommended for slab thicknesses from 4" up to 60".

CUSTOM SIZES AND STRENGTHS AVAILABLE

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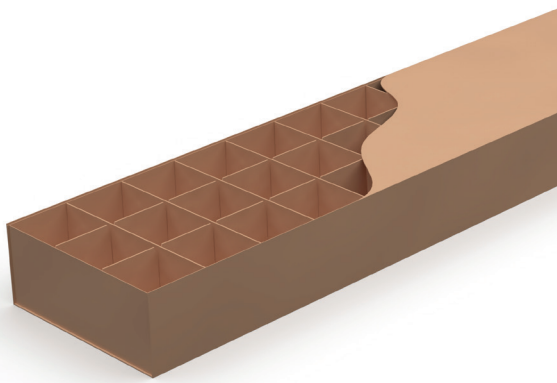
VoidForm TrenchVoid®

TrenchVoid® creates a void space directly under grade beams or walls to protect concrete from heaving soil.



DESCRIPTION

TrenchVoid temporarily supports freshly placed concrete walls or beams until they become self-supporting, spanning across drilled piers or other foundation elements.

It can be used in both trenched grade beam and formed wall applications.

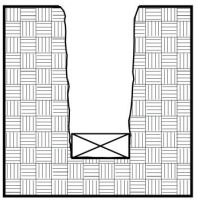
Its structural strength weakens through the gradual absorption of surrounding moisture as the concrete sets. This loss of strength effectively creates a void space into which soil can expand without causing structural damage to the concrete wall or grade beam above.

TrenchVoid is comprised of biodegradable corrugated paper types having different strengths and flutes, which are laminated with moisture-resistant adhesive. The interior cellular support network is surrounded by a wax-coated exterior cover. The components are adhered together and/or held in place with staples.

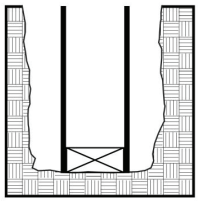
INSTALLATION

1. Keep TrenchVoid dry at all times prior to concrete placement.
2. Prepare grade to an even, smooth surface.
3. Install ArcVoid® sets or PierVoid® at piers where required.
4. Place void forms end to end in wall line.
5. Crosscut pieces with a handsaw to fit into non-modular areas.
6. Insert End Caps on open pieces that will be exposed to concrete.
7. Place SureCover Board™ over entire top surface to span small gaps and to protect the void forms against punctures and pinpoint loads.
8. Install steel and place concrete.

Earth-Formed



Panel-Formed



DIMENSIONS

Height: 4" to 24"
Width: 6" to 30"
Length: 60"

MATERIAL

Cover: B-Flute or C-Flute (32 to 44 ECT) Corrugated Wax-Coated Paper (Light Curtain Coat)

Interior: C-Flute or DW (44 to 51 ECT) Corrugated Paper (Kraft or WIM)

STRENGTH

Working load as recommended for wall and beam heights from 2' up to 20'

CUSTOM SIZES AND STRENGTHS AVAILABLE

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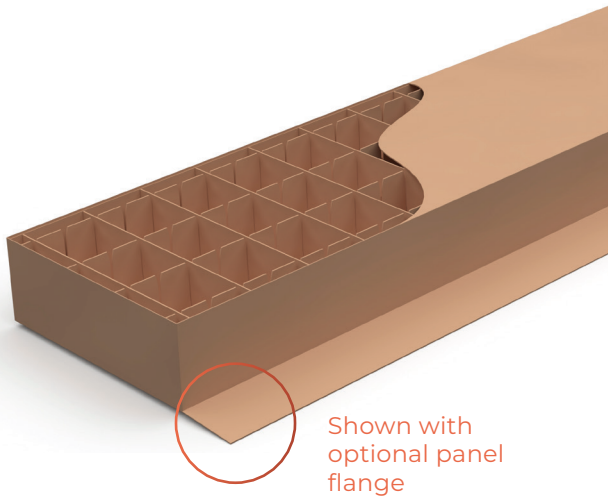
WallVoid®

WallVoid® creates a void space directly under grade beams or walls to protect concrete from heaving soil.



Shown with optional panel flange

DESCRIPTION

WallVoid temporarily supports freshly placed concrete walls or beams until they become self-supporting, spanning across drilled piers or other foundation elements.

It can be used in both trenched grade beam and formed wall applications.

Its structural strength weakens through the gradual absorption of surrounding moisture as the concrete sets. This loss of strength effectively creates a void space into which soil can expand without causing structural damage to the concrete wall or grade beam above.

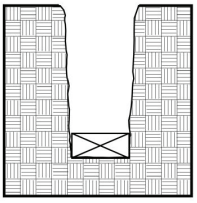
WallVoid is comprised of biodegradable corrugated paper types having different strengths and flutes, which are laminated with moisture-resistant adhesive. The interior cellular support network is surrounded by a wax-coated exterior cover. The components are adhered together and/or held in place with staples.

WallVoid can be manufactured with a panel flange along its base on which a form panel rests. This prevents the void form from floating up into the wall during the concrete pour.

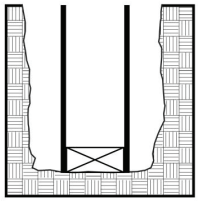
INSTALLATION

1. Keep WallVoid dry at all times prior to concrete placement.
2. Prepare grade to an even, smooth surface.
3. Install ArcVoid® sets or PierVoid® at piers where required.
4. Place void forms end to end in wall line.
5. Crosscut pieces with a handsaw to fit into non-modular areas.
6. Insert End Caps on open pieces that will be exposed to concrete.
7. Place SureCover Board™ over entire top surface to span small gaps and to protect the void forms against punctures and pinpoint loads.
8. Install steel and place concrete.

Earth-Formed



Panel-Formed



DIMENSIONS

Height: 4" to 24"
Width: 6" to 30"
Length: 60"

MATERIAL

Cover: B-Flute or C-Flute (32 to 44 ECT) Corrugated Wax-Coated Paper (Light Curtain Coat)

Interior: C-Flute or DW (44 to 51 ECT) Corrugated Paper (Kraft or WIM)

STRENGTH

Working load as recommended for wall and beam heights from 2' up to 20'

CUSTOM SIZES AND STRENGTHS AVAILABLE

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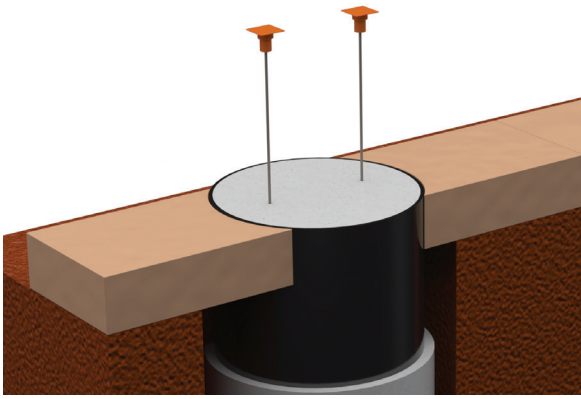
ArcVoid®

ArcVoid® creates void space around the upper portion of a drilled pier at its intersection with the wall or grade beam.



DESCRIPTION

ArcVoid is a continuation of TrenchVoid® or WallVoid®, extending the product up to the circular perimeter of a drilled pier while conforming to its radial edge. As a pre-manufactured, non-field-cut, sealed corrugated paper void form, ArcVoid creates a proper void space where the pier intersects with the concrete beam. This eliminates the potential uplift pressure, often overlooked areas surrounding the piers.

Each half of the ArcVoid set has one end with a sealed radial edge that is vertically supported and reinforced to impede concrete flow into its interior at the pier. The other end is square and matches other TrenchVoid/WallVoid pieces placed down the wall line.

For product composition details, please review the TrenchVoid product information sheet.

INSTALLATION

1. Keep ArcVoid dry at all times prior to concrete placement.
2. Prepare grade to an even, smooth surface.
3. Install ArcVoid halves on either side of each drilled pier with the arced ends along the radial edge of the pier.
4. Place additional TrenchVoid/WallVoid forms end to end in wall line starting at each ArcVoid end opposite the pier.
5. Crosscut pieces with a handsaw to fit into non-modular areas.
6. Insert End Caps on open pieces that will be exposed to concrete.
7. Place SureCover Board™ over entire top surface to span small gaps and to protect the void forms against punctures and pinpoint loads.
8. Install steel and place concrete.

DIMENSIONS

Height: 4" to 24"
Width: 6" to 30"
Length: 60"

MATERIAL

Cover: B-Flute or C-Flute (32 to 44 ECT) Corrugated Wax-Coated Paper (Light Curtain Coat)

Interior: C-Flute or DW (44 to 51 ECT) Corrugated Paper (Kraft or WIM)

STRENGTH

Working load as recommended for beam or wall heights from 2' up to 20'

CUSTOM SIZES AND STRENGTHS AVAILABLE

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PierVoid®

PierVoid® products create a void space around the upper portion of the drilled pier at its intersection with a pier cap.

DESCRIPTION

PierVoid's structural strength is designed to weaken by the gradual absorption of moisture as the concrete sets. The newly formed void space allows the soil to expand without causing structural damage.

All PierVoid shapes are sealed and pre-manufactured to conform to pier diameters for faster installation that requires no on-site cutting.

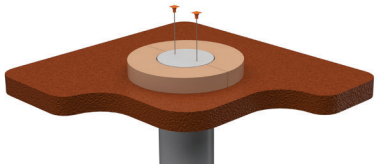
PierVoid contains various corrugated papers of different strengths and flutes, bonded with white, water-based, moisture-resistant adhesive and held in place with staples. The interior is made of a mostly biodegradable cellular network and is surrounded by a wax-coated exterior cover.

A preformed, sealed radial edge surrounds the perimeter of the drilled pier. The hole can be positioned on center or offset depending upon the pier location.

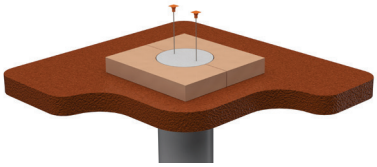
INSTALLATION

1. Keep PierVoid dry at all times prior to concrete placement.
2. Prepare grade to an even, smooth surface.
3. Install PierVoid pieces around piers.
4. Place SureCover Board™ over entire surface to span small gaps and to protect the void forms against punctures.
5. Install steel and place concrete.

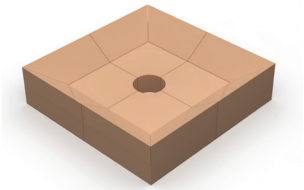
PIERVOID® (ROUND)



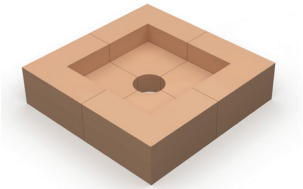
PIERVOID® (SQUARE)



PIERVOID® (DROPPANEL-TPR)



PIERVOID® (DROPPANEL-VRT)



DIMENSIONS

Height: 4" to 24"
Width: 18" to 120"
Length: 18" to 120"

Note: Oversize dimensions can be achieved by integrating multiple pieces

MATERIAL

Cover: 275# or 44 ECT, C-flute Corrugated Wax-Coated Paper (Light Curtain Coat)

Interior: 275# or 44 ECT, C-flute Corrugated Paper

STRENGTH

Working load as recommended for slab thicknesses up to 60" and pilaster/ pier caps up to 20'

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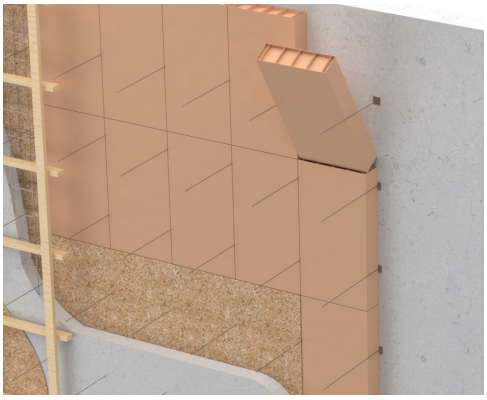
SeparatorVoid™

SeparatorVoid™ separates freshly placed concrete walls or slab edges from existing vertical structures.



DESCRIPTION

SeparatorVoid creates a void space between freshly placed concrete and an existing structure or between two concrete elements poured concurrently. Its structural strength is designed to weaken by the gradual absorption of moisture as the concrete sets. Water can be manually introduced to help facilitate the process. The resulting void space isolates existing structures from the new one, preventing transfer of pressure or vibration. These void forms can also be used to isolate backfill materials from bridge abutments and other concrete structures.

SeparatorVoid is comprised of biodegradable corrugated paper types having different strengths and flutes, which are laminated with moisture-resistant adhesive. Each piece can be manufactured with a non-wax back for adhering to the existing surface.

INSTALLATION

1. Keep SeparatorVoid dry at all times prior to concrete placement.
2. Adhere pieces to existing concrete face end-to-end and side-by-side along wall line using a water-based construction mastic.
3. Crosscut pieces with a handsaw to fit into non-modular areas.
4. Insert End Caps on open pieces that will be exposed to concrete.
5. Tape joints to prevent immediate water or concrete silt penetration.
6. Place 1/4" hardboard over the exposed face to protect it from damage, close small gaps, and distribute the working load.
7. Complete form work and place concrete.

DIMENSIONS

Depth: 1" to 12"
Width: 24" (or as indicated)
Length: 60"

MATERIAL

Cover: B-Flute or C-Flute (32 to 44 ECT) Corrugated Wax-Coated Paper (Light Curtain Coat)

Interior: C-Flute or DW (44 to 51 ECT) Corrugated Paper (Kraft or WIM)

STRENGTH

Working load as recommended for wall and beam heights from 2' up to 20'

CUSTOM SIZES AND STRENGTHS AVAILABLE

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