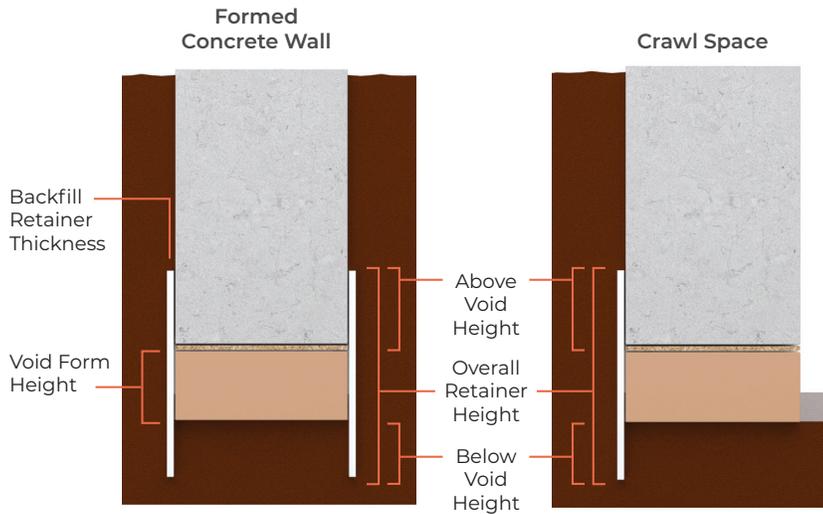


**BackFill Retainer™** prevents backfill soil from displacing the void space under grade beams and slab edges.



# VoidForm

## BackFill Retainer™



VOID FORM HEIGHT	RETAINER THICKNESS	OVERALL RETAINER HEIGHT	ABOVE VOID HEIGHT	BELOW VOID HEIGHT	AVAILABLE LENGTH
4"	3/8"	12"	4"	4"	96"
6"	3/8"	16"	6"	4"	96"
8"	3/8"	18"	6"	4"	96"
10"	1/2"	24"	8"	6"	96"
12"	1/2"	24"	6"	6"	96"
14"	1/2"	30"	10"	6"	96"
16"	1/2"	30"	8"	6"	96"
18"	3/4"	36"	10"	8"	48"
20"	3/4"	36"	8"	8"	48"
22"	3/4"	48"	14"	12"	48"
24"	3/4" (2 layers)	48"	12"	12"	48"

This table should be regarded as preliminary guidance only. The Engineer of Record (EOR) shall be responsible for the BackFill Retainer design and the specifics of the project including either acceptance of the above or custom design for the project parameters. The Contractor shall be responsible for gaining approval from EOR for use of the above.

The table was developed under the following assumptions:

- Material: Rigid and lightweight polypropylene copolymer plastic
- EFP: 60 pcf active pressure
- Bury depth to center of void: 5 ft
- Native soil of very stiff to hard stiff consistency for embedment of BFR
- Presumptive soil values from ANSE/ASAE EP436.2

### DIMENSIONS

**Height:** 12" to 48"

**Thickness:** 3/8", 1/2", 3/4" and 1"

**Length:** 48" to 96"

### MATERIAL

Rigid and light weight polypropylene copolymer plastic.

### STRENGTH

Based on manufacturer's data and physical section properties.

### INSTALLATION

Place BackFill Retainers with flutes positioned vertically.

Ensure the above & below heights are consistent throughout the length of retainer.

Back fill with non-expansive noncohesive material preferred or as otherwise recommended by project geotechnical report or as specified by the EOR.

Tamp embedded BFR soil to very stiff to hard consistency fill side.

Attach to the grade beam if required by the EOR.