

SureRound PierVoid® Technical Notes

SureRound PierVoid® contains various corrugated papers of different strength and flutes, bonded together with a white, water-based adhesive. Its structural strength is designed to weaken by the gradual absorption of moisture as the concrete sets. Thus, an adequate void is attained around each pier, which will allow the ground to heave without causing structural damage to the concrete pier cap, pilaster, or slab above. The PierVoid interior is composed of mostly biodegradable, cellular network and is surrounded by a wax-coated exterior cover. A preformed, sealed hole through the PierVoid accommodates the drilled pier. The hole can be positioned on center or offset depending upon the application.

TYPES AVAILABLE

1. Circular – For cylindrical pier caps where the PierVoid must be placed inside an enlarged shaft.
2. Square / Rectangular – For conventional pier caps, pilasters, and structural slabs.

ADVANTAGES

1. Lightweight
2. Easy to install
3. Waxed exterior for initial water resistance
4. Factory assembled for on-site convenience

AVAILABLE DIMENSIONS

HEIGHT - approximately 4" to 24"

WIDTH - from approximately 24" to 144"

LENGTH - from approximately 24" to 144"

(Note: Oversize dimensions can be achieved by integrating multiple pieces)

TECHNICAL DATA

COVER –

a) 275# or 44 ECT, C-flute Corrugated Paper

b) Waxed exterior surface

INTERIOR - 275# DW or 44 ECT, C-flute Corrugated Paper

STRENGTH – Working load as recommended for concrete thicknesses of up to 120 inches

RECOMMENDATIONS

1. Keep SureRound PierVoid® dry at all times prior to concrete placement.
2. Prepare grade to an even, smooth surface around drilled pier.
3. Position PierVoid pieces around pier.
4. Use recommended hardboard on the entire surface to prevent immediate water or concrete silt penetration and pin point loading during construction.
5. Place concrete.