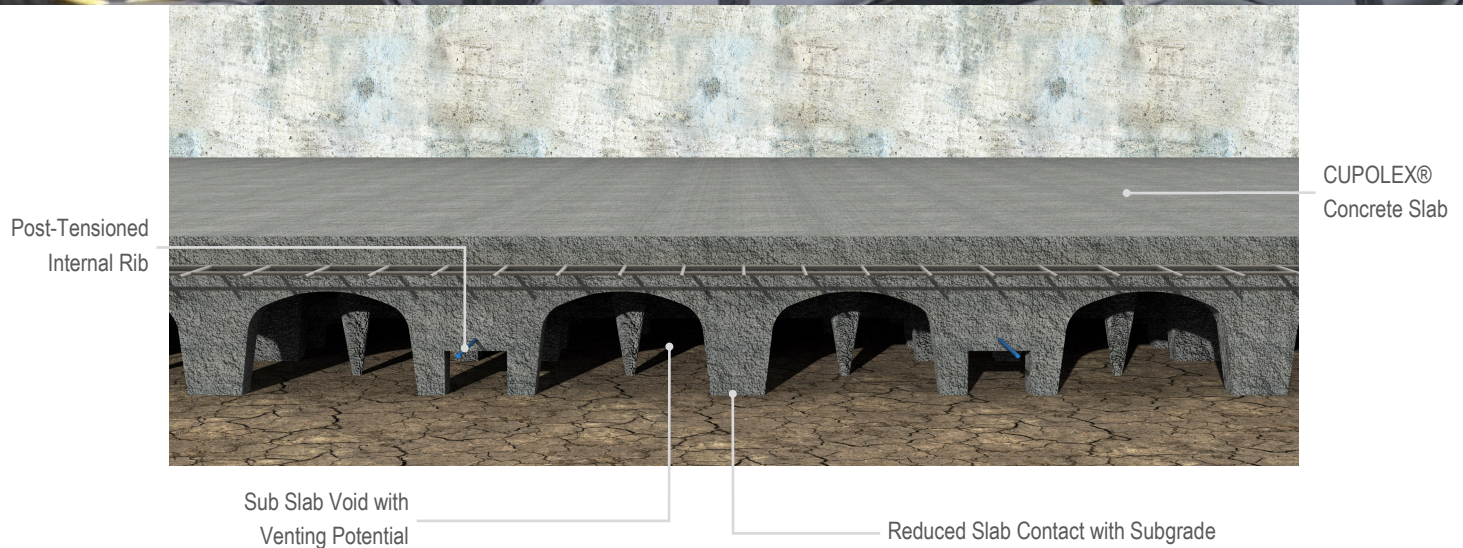


CUPOLEX® CONCRETE FORMING

STRUCTURAL POST-TENSIONED SLAB-ON-GRADE



OVERVIEW

CUPOLEX® provides value engineering and cost-effective structural design solutions for post-tensioned a slab-on-grade. Suspended internal beams with post-tensioning cables are used in the slab by introducing PONTEX®, the structural CUPOLEX® accessory. Sub-slab voids reduce slab contact with the soil, provide moisture barriers and have venting potential.

FEATURES

- Void depths available in 10" (260mm) or 18" (450mm) forms.
- Post-tensioned beams can be spaced 35" (890mm) or 57" (1,450mm) apart and run uniaxially or biaxially
- Manufactured to ISO 9001:2015 high quality standards
- Complete construction documents with stamped and sealed design drawings provided by CUPOLEX® licenced PEs
- Forms around foundation structures (walls, pile caps, etc.)

ADVANTAGES

- Provides a capillary break from the subgrade and concrete to protect concrete from moisture damage
- Provides an excellent moisture barrier under slab void that can be vented in soil with high water content;
- Concrete performs under compression and not in tension when loaded on slab-on-grade applications
- Maximizes control of concrete curing resulting in reduction of slab curling and shrinkage cracks
- Simplifies post-construction installation of new utilities below slabs
- Reduces CO₂ emissions.
- Replaces fill or gravel that typically is required to bring the slab to level and eliminates the costs associated with importing, compacting, certifying engineered fill.
- One truck of CUPOLEX® replaces on average 60 trucks of gravel or fill.

