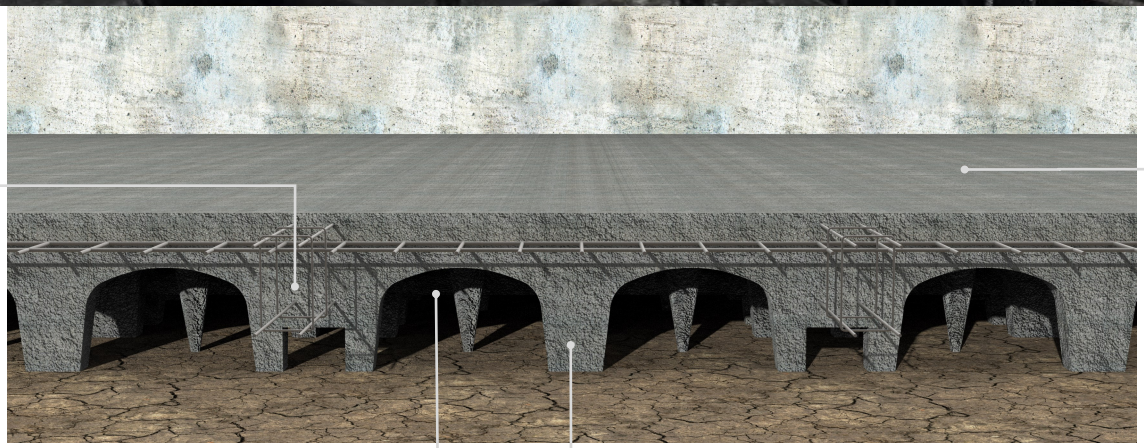
CUPOLEX® CONCRETE FORMING

STRUCTURAL CONCRETE FLOORS



OVERVIEW

CUPOLEX® provides value engineering and cost-effective structural design solutions for fully or partially suspending a floor slab on foundation piles, stem walls or grade beams. Suspended reinforced internal ribs are used in the slab by introducing PONTEX®, the structural CUPOLEX® accessory. Sub-slab voids provide moisture barriers and have venting potential.

FEATURES

- Void depths available in 10'' (260mm) or 18'' (450mm) forms.
- Ribbed 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;
- 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 CO_2 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.

APPLICATIONS

- Unsuitable ground conditions such as very low bearing pressures
- Expansive/swelling soils
- Predicted post construction settlement of the subbase
- Bridging over public storm water and sewer lines
- Slope stability issues