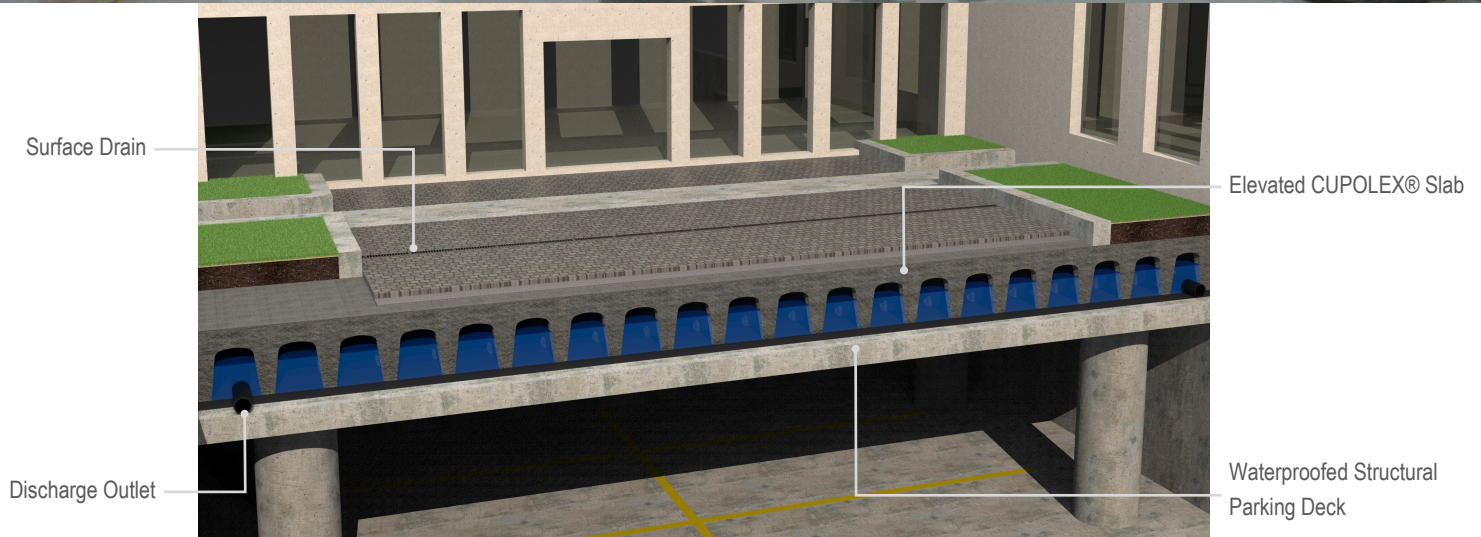


CUPOLEX® CONCRETE FORMING

STRUCTURAL DECKS



OVERVIEW

CUPOLEX® combines structural and stormwater management solutions to design a low impact development solution for podium decks. Our forming system is capable of providing an elevated concrete slab with voids to manage the site's stormwater without the need for buried stormwater chambers or ponds. The stormwater management solution can provide TSS removal as high as 60-90% and the concrete structure is capable of carrying of vehicle traffic. Our solution is especially useful on sites with insufficient space for buried tanks.

FEATURES

- During storm events, excess water is detained in the voids to be slow released either off site or connected to an additional LID stormwater management area on site.
- Void depths range from 2" (50mm) to 96" (2,500mm)
- Manufactured to ISO 9001:2015 high quality standards
- Complete construction documents with stamped and sealed design drawings provided by CUPOLEX® licenced PEs
- Can be designed with isolator rows for TSS removal
- Waterproofed liner to protect structural slab
- Allows for inlet/outlet pipes and cleanout/observation ports installed at any location
- CUPOLEX® slab can be used as finished surface or topped with unit pavers
- Can be combined with our soil cell system to provide biofiltration and tree canopies.

ADVANTAGES

- Eliminates the need for buried stormwater tanks or ponds.
- Stormwater can be harvested.
- Reduce aggregate use and the use of importing and engineering fill
- Contributing to LEED certified building
- Maximum control of concrete curing
- High load-bearing concrete designed structures that can exceed HS-20-44 full truck load plus impact

APPLICATIONS

- Roofs
- Foundations
- Structural deck slabs
- Parking garages
- Terraces

