

PONTEX® PONTEX H 45cm (18")

PONTEX is recycled polypropylene element that, combined with CUPOLEX® can be used to create beams so that aerated floors become self-bearing. If the soil is unsuitable to hold the slab load design, Pontex is introduced to the slab design which in turn will create a one directional or a two directional structural slab that can be partially or fully supported by a beam/pile foundation or foundation walls.

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 Installation

Features

Thickening slab areas for Supporting Load Bearing or Non Load Bearing Walls

1. One or more PONTEX elements added
2. In areas subject to greater loads or
3. Exceptional stress.

Structural Self-bearing Concrete Slabs

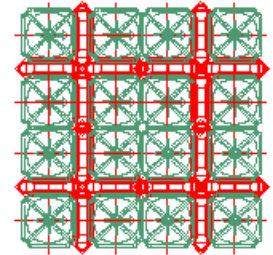
With PONTEX the floor discharges its loads to the foundations and not to the ground. Poor load-bearing soils need no enhancing (by excavating, using engineered fill or gravel) which saves considerably on costs and construction schedules.

Tie Beams

By using PONTEX for industrial buildings, connecting concrete structures can be made between the plinths simultaneously with the CUPOLEX®-Pontex casting system, saving time and money.

Poor Load Bearing, Challenging Expansive Soils

The CUPOLEX®-Pontex floor can even be applied directly on a poor-load bearing soil. In fact, if the floor is calculated properly with our software, it will support any differentiated soil yielding. PONTEX will neither interfere with the sub slab venting nor services installed below the concrete floor, due to the continuous hollow space beneath the slab.



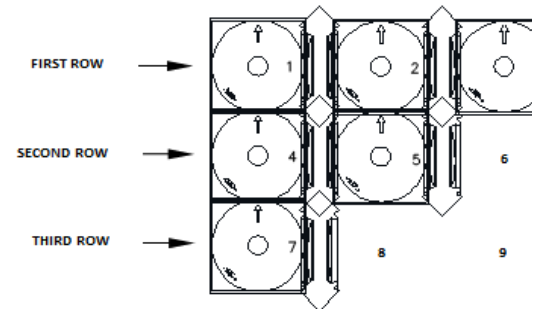
Advantages

- Arrives on site packaged and ready to be
- Quick and simple to install with basic hand tools
- Can be easily adapted to site variations
- Minimizes concrete wastage
- Made out of 100% non-toxic recyclable material which contributes to LEED certified building
- One pallet of CUPOLEX replaces 7.5 trucks of gravel or fill
- Minimizes construction traffic damage
- Manufactured to ISO 9001:2000 high quality standards
- A full range of accessories and field support ensures secure construction

Features

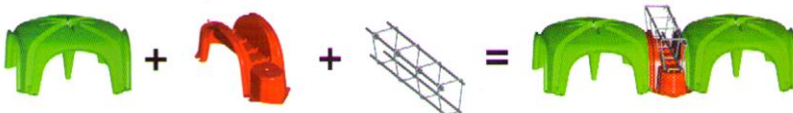
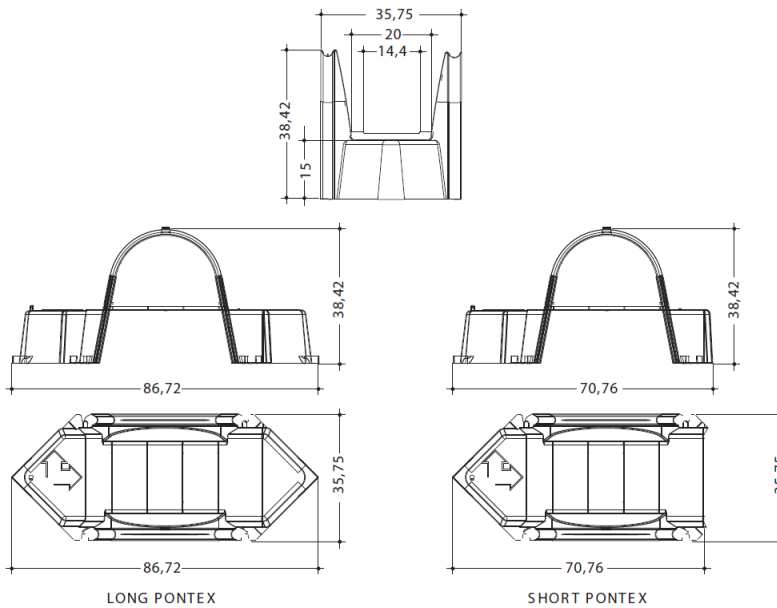
CUPOLEX® provides Excellent Flexibility in Working with new construction or remodeled building layouts. The main characteristics of the forming system are speed and simplicity; the following points should be adhered to:

- On average two laborers set 110 m²/hr (1200 sf/hr)
- Layout complies with a grid system
- Can be installed on any resting surface - soil, gravel, mud slab, etc.
- Each CUPOLEX® Form has an installation arrow
- Forms are Installed by starting from left to right and top to bottom
- Ensure that the feet connection pins are correctly inserted into their connection holes
- Pouring and finishing of the concrete slab in the conventional manner



Product Data

Made from 100% recycled Polypropylene (PP) plastic, the PONTEX® and CUPOLEX® forms provide the maximum performance and guarantees superior characteristics of stability and resistance in its structure to allow operations that are completed directly above the plastic CUPOLEX® elements before and during the placement of the concrete. CUPOLEX® Forms are molded in a variety of depths to deal with different levels of Vapor emission and for different depths of fill requirements.



Cupolex® + Pontex® => ribbed foundation system

- Reduced slab-soil contact area
- Lighter than a traditional ribbed slab
- High punching resistance ('dome' effect)

Storage & Handling

- All products are delivered on heat treated wood pallets with polythene wrapping
- Handle PONTEX® with safety gloves and safety glasses
- Avoid impact
- Avoid tipping PONTEX® pallets
- See specific instructions for installing product in temperatures below 0°C or above 35°C.
- PONTEX® waste can be completely recycled.

Packaging

PONTEX® is packaged on heat treated wood pallets wrapped with cellophane and certified for international shipping.

Pallet Dimension: 1.2m x 1.2m x h 2.0m (4' X 4' X h 6.5')

No. Of Units per Pallet: 270

Weight per Unit: 1.10kg (2.40Lbs)

Total Weight per Pallet: 297kg (655Lbs)

Material

Made from 100% recycled Polypropylene (PP) plastic. The forms provide the maximum performance and guarantees superior characteristics of stability and resistance in its structure to allow operations that are completed directly above the plastic CUPOLEX® and PONTEX® elements before and during the placement of the concrete.

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