Porous Parking System – CM100

INSTALLATION GUIDE

STORM WATER MANAGEMENT SOLUTIONS
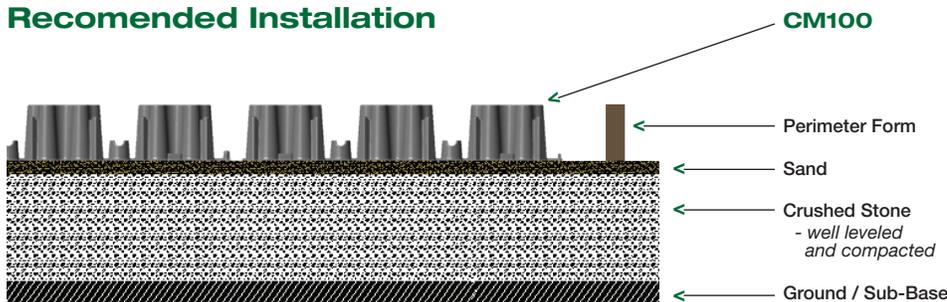
PANEL SIZE: 2'x2'

DESIGN: 9 inverted cones per panel

CONE HEIGHT: 4"

Step 1	Prepare base material to Engineers/ Building Code specifications. Note: Typical base material can be ¾" minus in size, crushed, 4"–12" in depth, with 98% porosity, to allow water to seep through. Over this layer, add a 1" layer of sharp leveling sand, smoothed.
Step 2	Prepare perimeter concrete form. Top of perimeter form, (screed height), to be level with top of CM-100 inverted cones.
Step 3	Place CM-100 panel a minimum of 6 inches from edge of concrete form. If layout includes a corner, place panels a minimum of 6 inches from both sides of concrete corner form. Additional perimeter edge reinforcement is encouraged, or as engineered.
Step 4	Overlap panels, with arrows running the same direction, and molded, raised alignment tabs are lined up on all sides of panels, overlapping other panels.
Step 5	Place concrete reinforcing bar or welded wire. (Per Engineer/Code) Note: With Engineer/Code approval, FiberMesh can be added to the concrete, then lay reinforcing bar or welded wire, as specified. Also, when placing reinforcement and concrete, use 2' x 4' plywood walk-boards to avoid damaging the CM-100 cones.
Step 6	Place concrete. See Engineer/Building Code for strength and slump. Note: Vibration, and slightly higher slump is encouraged, (without a strength reduction), for better consolidation.
Step 7	After concrete is cured, use propane torch to remove, (melt away), top of cone surface.
Step 8	Fill cones, to within ½" of the top, with soil and grass seed, then top dress and water.
OPTIONAL	Fill cones to top with gravel. *Note: Consider variations in gravel color for decorative effect.*

Recomended Installation

CM100

Perimeter Form

Sand

Crushed Stone
- *well leveled and compacted*

Ground / Sub-Base

Assemble with arrows in the same direction

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