

# Permavoid: For Award-Winning Water Management

## WHAT IS IT?

- ▶ A geocellular water management solution for shallow water storage or infiltration in infra applications
- ▶ Enables the creation of blue/green roofs and podium decks on buildings
- ▶ Allows for a “source control” water strategy – capture, store, treat and re-use - rather than a traditional linear system where water is treated as waste product



Green Building Product of the Year Water Management 2020



93% void ratio for high volume of water storage

Passive irrigation of greenery and trees without assistance from external forces

Zero-energy, natural irrigation to replace pumped irrigation

Integration of Capillary Cones or Permafoam to provide the plants with important nutrients and water from below

Lowers carbon footprint and maintenance requirement

Maximizes local sustainability and LEED assessment points

Reduces water demand for irrigation by up to 40% compared to over-soil irrigation where water is lost to evapotranspiration

Helps prevent flooding

Handles rainfall in the event of a “1 in 100” year storm



Allows cities to turn water from the drain into a valuable resource

Creation of multi-functional spaces on roofs and podium decks that can be commercialized

Reduces urban stormwater run-off from the site by 80%