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## Permeable Applications

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## Permeable Low-Density Cellular Concrete (PLDCC) Applications

The production of Permeable Low-Density Cellular Concrete (PLDCC) is a patented process (US 8,172,937 B2) using AQUAERiX™, an advanced synthetic foaming agent that utilizes an open-cell technology. The bubbles coalesce allowing water to pass through. Permeable low-density cellular concrete provides proven solutions for applications in the construction and mining industry where drainage is important. AQUAERiX permeable low-density cellular concrete is environmentally safe, has no flash point, and supports sustainable development, possibly increasing the number of points awarded to a building under the LEED system. Testing by Middle Tennessee State University documents the ability of AQUAERiX permeable low-density cellular concrete to protect the environment by filtering contaminants that can adversely affect soil and water.

Typical Applications:

- Sports Fields & Golf Courses



AQUAERiX permeable low-density cellular concrete was installed as a sub-base under the playing field at Citi Field, home of the NY Mets, to facilitate drainage, replacing the 4 feet of lightweight aggregate listed in the original spec saving the owner time and cost.

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Case Study on PLDCC for a Bridge Approach

- Drainage Structures
- Scour Protection
- Tunnel Backfill
- Underground Tanks & Pipelines
- Soil Stabilization
- Permeable Road Base
- Foundation Drains
- Gabion Retaining Systems
- Annular Fill
- Load-Reducing Engineered Fill
- Water Retention
- Pipeline Beds
- Greenhouse Floors
- Fill for Abandoned Mines
- Impact Absorption
- Bridge Approach & Landslip Repair

[Read a Case Study on PLDCC for Retaining Wall Backfill](#)

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