

Milliken®

# GeoAer™

## Controlled Density Geopolymer

Do More While Using Less!

GeoAer™ geopolymer is a light weight aerated controlled strength fill. It is an aerated geopolymer cellular concrete, engineered to address the complexities of our failing infrastructure. Uniformly distributed air voids within the geopolymer displace force and create unique geotechnical engineering options for building pads, road base, erosion control, void fill or geotechnical soil stabilization.

GeoAer™ is used to:

- Replace unstable soils, ensuring stability of roadways, bridge ramps, buildings and other structures.
- Provide cost-effective backfill (annular grout) for tunnels, water lines and sewers.
- Provide shock absorption in earthquake zones (recommended by the U.S. Bureau of Reclamation)
- Reduce loads above underground structures
- Fill voids within silos, abandoned mines, underground tanks and pipelines
- Reduce hydrostatic pressure on retaining walls.

### Engineered

- Available in pervious or impervious formulations
- Densities are engineered to the task from 25 to 90 lbs/ft<sup>3</sup>
- Reduces soil loading while increasing compressive strength, shear strength and bearing capacity

### Lower Total Cost

- Installation and operating costs compared with traditional backfill methods
- Uses 'air' as the aggregate fill, eliminating costly import of fill, base course, and borrow materials
- Faster installation
  - Produced on site
  - Pumped into place
  - Self leveling

### Sustainable

- Lower greenhouse gas emissions
- 50%+ of raw materials come from recycled industrial by-products
- Locally manufactured



For more information on how to extend the life of your infrastructure, please contact:



Milliken Infrastructure Solutions, LLC  
1733 Majestic Drive, Suite 101  
Lafayette, CO 80026  
(720) 921-8810  
[infrastructure.milliken.com](http://infrastructure.milliken.com)

Milliken™

Milliken Infrastructure  
Solutions, LLC