



*An economical backfill alternative*



Exclusive to Cemstone, self-leveling, LIQUIDFILL<sup>SM</sup> is the environmentally safe and efficient way to assure quality backfilling on your next project. This Controlled Low Strength Material (CLSM) is a mixture of cement, flyash, sand and water which offers significant advantages over soil or granular backfill materials, including:

- SAFE - Keep your crews out of dangerous confined spaces
- No need for compaction.
- Requires minimal crew and equipment for application.
- LIQUIDFILL can be placed in one lift - a huge time saver for deep cut backfilling.
- The self-leveling LIQUIDFILL assures complete backfilling under utilities - no voids - no cracking or settling.
- PEACE OF MIND - backfill and move on.
- Take on abandonment projects and fill unused storage tanks, vaults or sewers.
- LIQUIDFILL is an outstanding material for soil stabilization projects, mud jacking and subgrades.
- Designed for multiple uses, LIQUIDFILL can be proportioned to meet your requirements of strength, excavatability and early stability.

### **IT CAN BE COLORED FOR QUICK IN FIELD IDENTIFICATION**

- Yellow - Gas
- Red - Electric

### **FAST SETTING TIME AND EASE OF EXCAVATION**



State Departments of Transportation, public works departments and utility companies are active in specifying CLSM instead of compacted soil for backfilling trenches, particularly under roadways. The excellent flowability and homogeneous material matrix of LIQUIDFILL encapsulates utilities to provide uniform support. Prior to LIQUIDFILL, placement and compaction of soil to 95% modified proctor in trenches and tightly restricted areas was often not achieved. The resulting soil settlement leads to callbacks and repair. Surveys indicate that improper backfilling is the number one complaint of public works directors. LIQUIDFILL self compacting, minimizing trench fill settlement, and time consuming callbacks.

## SAFETY

Safety is a priority for all companies today. LIQUIDFILL can help you protect your employees. LIQUIDFILL is a self-leveling product which flows into and fills voids easily keeping crews out of dangerous confined spaces like trenches and sewers.

## IT'S ALL ABOUT SAVINGS

LIQUIDFILL is all about saving in-place costs - costs that may be hidden in traditional backfilling methods. Calculate your savings for a typical project by using our **LIQUIDFILL calculator online** at **[www.cemstone.com](http://www.cemstone.com)** or contact your Cemstone representative at 651-686-4203.

Unlike soil and granular fill, LIQUIDFILL performs consistently and does not require extensive field testing. LIQUIDFILL hardens and rapidly develops excellent load-bearing properties without requiring expensive and time consuming compaction.



## FLEXIBLE DESIGN

- Unit weight as low as 20lbs/ft<sup>3</sup> can be obtained by using foam or cellular flowable fill mixture.
- LIQUIDFILL can be designed to be removed or replaced with a shovel or mechanical equipment.
- Designed for truck or concrete pump placement.

## UNIQUE FEATURES

- Quick stability.
  - Stand on LIQUIDFILL within 2 hours of installation.
  - Drive on it within 24 hours.
- Excavate LIQUIDFILL where access is required.

**CEMSTONE**



Let us put **BLUE ON BLUE** and LIQUIDFILL<sup>SM</sup> to work for you.

Increase the speed of your backfilling time with Cemstone's pumpable LIQUIDFILL and quality placing equipment. Even the most challenging job applications, LIQUIDFILL is easily placed by our certified concrete pump operators. Expand your business opportunities by backfilling areas previously inaccessible by ground level equipment by utilizing our placing equipment system that can reach more than 200 feet.

Septic Tank Fill



Stillwater, MN

Interior Trench Fill



Shakopee, MN

**LET'S GET STARTED!** Let our sales team show you how the innovative use of Cemstone's LIQUIDFILL<sup>SM</sup> is the best value for you and your project. For more information and to set up an in-person consultation, call 651-686-4203 or visit our web site [www.cemstone.com](http://www.cemstone.com) for more information.

1-800-CEMSTONE • 651-688-9292 • [www.cemstone.com](http://www.cemstone.com)  
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