

# Micro-Aid® CLS

## Controlled Low Strength Grouting Admixture

### Description

Micro-Aid® CLS is a grouting admixture specially designed for use in controlled low strength grouts that require pumping. Micro-Aid CLS maintains a consistent grout with minimal to no segregation, even with a low cementitious content. Micro-Aid CLS provides a dramatic improvement in the water retentivity properties of the grout, thus virtually eliminating the potential for rapid drying even in the driest of soil conditions.

### Applications

- Controlled Low Strength Grout Mixes
- Where Future Removal of Grout May Be Required

### Features and Benefits

- Excellent Fluidity and Pumpability
- Low Dosage Rate
- Improved Water Retention Properties
- No Bleeding or Segregation even with high aggregate level

### Applicable Standards

Micro-Aid CLS+ meets U. S. Corps of Engineers Specification, CRD C-619, and ASTM Standard Specification for Grout Fluidifier, ASTM C-937.

### Compatibility

While Micro-Aid CLS is compatible with most commercially available concrete admixtures, in most conditions no other admixture should be needed.

### Dosage

One 21 pound unit will treat a nine (or eight) yard load of grout. (roughly 0.2 to 0.3 lbs per cwt of cement) Remove all of the water soluble bags and add them to nine (or eight) yards of ready-mix grout. Allow to mix for a minimum of three to five minutes (70 revolutions)

### Performance Data

Time of Efflux (ASTM C-939)	16-19 secs
Water Retentivity (ASTM C-941)	passes
Bleeding (ASTM C-940)	0 %
Expansion (ASTM C-940)	3-4%

### Packaging

Micro-Aid CLS is packaged in a 21 pound pail containing four water soluble bags. All four bags should be dropped into the ready mix truck either before or after batching the grout. Special packaging also available.

### Storage

Micro-Aid CLS should be stored in a dry location protected from moisture and contamination. Micro-Aid CLS is not subject to damage from freezing temperatures.

### Precautions

Product is classified as a nuisance dust. Since all of the powder is contained in a water soluble bag, dust should not be an issue. However, in the event of exposure to dust, follow the precautions for nuisance dust and those detailed on the Material Safety Data Sheet.

### Disclaimer and Limitation of Warranty

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