



## Micro-Aid® SP

### Soldier Pile Grouting Additive

#### Description

Micro-Aid® SP is a grouting admixture specifically designed for use in soldier pile applications being done using an augercast method.

Even with low cement content, Micro-Aid SP creates a consistent, pumpable grout with minimal to no segregation or bleeding.

In addition, Micro-Aid SP has significant water retention properties that hold the water in the grout so that beams can freely drop to the bottom of the grouted pile.

A grout mixed with Micro-Aid SP will increase in volume by 10-15%. The added air helps to keep compressive strength low for easy excavation as well as hold the materials in suspension.

#### Applications

- Soldier Piles
- Any low strength application requiring water retention

#### Features and Benefits

- Improves Pumpability of Mixes with Low Cement Factor
- Minimizes Bleeding & Segregation – No More Clogged Pumps
- Less Pump Pressure Needed – Reduced Wear on Pumps
- Retains Mix Water - Allows the Beam to Drop

#### Dosage

One 21 pound pail of Micro-Aid SP contains 4 water soluble bags. All four of these bags are used to treat a ready mix truck of lean cement grout that will ultimately yield nine cubic yards.

#### Compatibility

It is not recommended to use Micro-Aid SP in combination with air entraining admixtures.

#### Usage

To generate the maximum amount of volume, Micro-Aid SP should be added to a low slump (2-4") mix. After mixing for 3 minutes or 70 revolutions, the additional volume should be generated and the slump increased. If it is desirable to further increase the slump of the mix, water can be added after the volume has been generated. If the slump is more than 4" prior to introduction of the additive, the amount of volume generated might be lower than desired. Please consult with a Specrete representative for mix design specifics.

#### Packaging

Micro-Aid SP is packaged in a square plastic pail containing four water soluble bags. Special packaging is also available.

#### Storage

Micro-Aid SP should be stored in a dry location protected from moisture and contamination. Micro-Aid SP 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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