

# Intrusion-Aid® FG

## Mid Range Water Reducing Grout Fluidifier

### Description

Intrusion-Aid® FG is a Mid Range Water Reducing Grout Fluidifier designed for use in augered cast-in-place piling grouts. Intrusion-Aid FG provides a fluid grout with a low dosage rate of 2.3 to 2.6 pounds per cubic yard (+/- .15 pounds) or approximately 0.25 to 0.35 lbs per 100 lbs of cementitious.

Intrusion-Aid FG also minimizes bleeding and any setting shrinkage while maintaining a fluid, yet cohesive grout. Intrusion-Aid FG should also eliminate the need for any additional admixtures in the grout.

### Applications

- Augered Cast-in-Place Piles
- Conventional and Fabric Form Pile Jackets
- Erosion Control Mats and Fabric Forms
- Virtually Any Grouting Application

### Features and Benefits

- Highly Fluid Grout
- Low Dosage Rate
- Eliminates Setting Shrinkage
- Virtually Eliminates Bleeding and Segregation

### Applicable Standards

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

### Compatibility

While Intrusion-Aid FG Grout Fluidifier is compatible with most commercially available concrete admixtures, in most conditions no other admixture should be needed. The only exception could be extreme hot temperatures in which set time tests should be performed.

### Performance Data

Time of Efflux (ASTM C-939)	19-22 secs
Water Retentivity (ASTM C-941)	passes
Bleeding (ASTM C-940)	0 %
Expansion (ASTM C-940)	3-4%
Time of Set (ASTM C-953)	Normal

### Packaging

Intrusion-Aid FG is packaged in a 21 pound bag or pail containing three or four water soluble bags. All of the water soluble bags should be dropped into the ready mix truck either before or after batching the grout.

### Storage

Intrusion-Aid FG should be stored in a dry location protected from moisture and contamination. Intrusion-Aid Grout Fluidifiers are 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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