

Intrusion-Aid® FG+

Mid Range Water Reducing and Mix Stabilizing Grout Fluidifier

Description

Intrusion-Aid® FG+ is a Mid Range Water Reducing Grout Fluidifier with improved stabilization properties designed for a variety of grouting applications. Intrusion-Aid FG+ provides a fluid grout with a low dosage rate of 0.125 pounds cwt of cementitious materials. (0.12 to 0.143 pounds per cwt)

Intrusion-Aid FG+ 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

- NEAT Cement grouts
- Augered Cast-in-Place Piles
- Virtually Any Grouting Application

Features and Benefits

- Fluid Grout
- Low Dosage Rate
- Eliminates Setting Shrinkage
- Minimizes 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.

Dosage

For NEAT Cement grouting applications, the typical dosage rate is 0.125 lbs per sack (94 lbs) of cement or 0.133 lbs per CWT.

For augercast piling, one 26 pound unit will treat a nine yard load of grout, but dosages can range from 2.75 to 3.25 pounds per cubic yard.

Performance Data

Time of Efflux (ASTM C-939)	18-21 secs
Water Retentivity (ASTM C-941)	passes
Bleeding (ASTM C-940)	0 %
Expansion (ASTM C-940)	2-3%
Time of Set (ASTM C-953)	Normal

Packaging

For NEAT Cement grouting: Intrusion-Aid FG+ is packaged in a 20 pound pail containing 20, 1 lb water soluble bags. Each one pound bag is designed to treat 8 sacks of cement.

For augercast piling, Intrusion-Aid FG+ is packaged in a 26 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.

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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