

Micro-Aid® PFR

Pressure Filtration Reducing Admixture

Description

Micro-Aid® PFR is a dry additive designed specifically for use in high mobility grouting, especially when resistance to pressure filtration is required. Micro-Aid® PFR acts as water reducer, stabilizer and bleed reducer. It will eliminate the need use bentonite, superplasticizers or gums. Through adjustments in dosage and w/c, it is possible to achieve a wide range of characteristics, including low marsh times, low K_{pf} values and low bleed. The dry material is packaged in easy-to-use, water-soluble, bags.

Applications

- High Mobility Grouting
- Pressure Grouting
- Rock Grouting
- Curtain Grouting
- Grouting Beneath Dams

Features and Benefits

- Resistance to Pressure Filtration
- Very Fluid Grout
- Minimized Bleeding and Segregation
- Stability at High Water-to-Cement Ratios
- Eliminates the Need to Use Bentonite or Other Additives

Compatibility

Micro-Aid PFR is compatible with most commercially available concrete admixtures. The exception being naphthalene sulfonate based admixtures which can cause unpredictable changes in workability. If faster set time is desired, Specrete also offers an accelerated version called Micro-Aid® PFR-A.

Dosage

The typical dosage range is between 0.2 and 0.3 lbs per sack (94 lbs) of cement or 0.21 to 0.32 lbs per cwt. Variations in dosage and w/c can be used to meet virtually any stability and viscosity requirement. Please consult a Specrete representative for more specific information.

Packaging

Micro-Aid® PFR is packaged in an 18 pound pail containing 15, 1.2 lb water soluble bags. Each 1.2 pound bag is designed to treat 4 to 6 sacks of cement. Custom packaging is available.

Storage

Micro-Aid® PFR should be stored in a dry location protected from moisture and contamination. Specrete additives 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 Safety Data Sheet.

Disclaimer and Limitation of Warranty

The information and recommendations contained in this publication are reliable and reflect the results of Specrete-IP's most current developments and tests. However, the appropriateness and suitability of specific uses and applications of any Specrete product must be determined and verified by the user. Further, the successful application of any Specrete product is critically dependent on user's following in all respects and details the recommended and industry standard procedures in preparation and application. Thus, as a consequence of the numerous factors on which successful application depends, Specrete-IP makes no warranties of any kind, express or implied, including those of merchantability and fitness for purposes and all claims including without limitation those sounding in breach of warranty, negligence, strict or product liability are limited to the purchase price of the material.