

## AFS Dispersant-RS 5

### Water Soluble Polymer Dispersant

#### General Description

Riteks AFS Dispersant-RS 5 is a highly effective water-soluble polymer dispersant used in normal to high density, low fluid loss slurries that can be easily pumped in turbulent flow. This dispersant was developed to improve performance characteristics in cement slurries for workability, and is highly effective in salt and salt-saturated slurries.

AFS Dispersant-RS 5 can be used in salt and salt-saturated slurries. AFS Dispersant-RS 5 as a free-flowing powder can be dry-blended with cement before it is transport to the job site and can be easily dissolved in the mixing water.

#### Feature and Benefits

- Provides turbulent flow properties, improving mud cleanup and cement bonding
- Facilitates mixing of high-density, reduced-water slurries
- Reduces mixing and final slurry viscosity
- Provides less retardation than conventional dispersants, resulting in earlier strength development
- Inhibits viscosifying effects caused by some fluid loss and gas control additives
- Improves annular displacement, reducing cement contamination
- Improves the performance of gas control and fluid loss additives
- Improves bonding to the formation and pipe
- Compatible with virtually all API, ASTM and pozzolan cements, and most Riteks cement additives

#### Loading Levels and Applications

Used at the recommended levels of 0.1 to 1% by weight of cement, AFS Dispersant-RS 5 can be used in:

- Primary and remedial cementing operations
- High-density and/or low fluid loss slurries
- Salt and salt-saturated slurries
- Typical temperature ranges of 40 to 400°F (4 to 204°C)  
BHCT.

#### Typical Properties

Appearance: Reddish-brown powder  
Moisture, %: < 8.0  
pH: 10 - 12  
Specific Gravity: 1.152  
Absolute Volume: 0.1040 gal/lb (0.8679 L/kg)  
Bulk Density: 37.5 lb/ft<sup>3</sup> (600.0 kg/m<sup>3</sup>)  
Active Content, %: >90

*Typical properties given do not constitute a supply specification*

#### Packaging/Storage

Available in 50 lb / 22 kg paper bags

#### Health and Environmental Data

Before handling or using this product please refer to the Safety Data Sheet for complete health, safety and environmental information. Dispose of waste in accordance with local, state and federal regulations.

We warrant our products to be of good quality and will replace or, at our discretion, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, RITEKS MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. Riteks shall have no other liability with respect thereto. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. The information provided herein is based on technical data that Riteks, Inc. believes to be reliable. Riteks, Inc. makes no representation or warranty as to the completeness or accuracy thereof and assumes no liability resulting from its use for any claims, losses, or damages of any third party. Recipients receiving this information must exercise their own judgment as to the appropriateness of its use and it is the user's responsibility to assess the material's suitability (including safety) for a particular purpose prior to such use.