

PRODUCT DESCRIPTION

Introducing the Multi-Functional Friction Reducer (MFFR), a high-performance dry friction reducer optimized for proppant suspension. MFFR enhances the stability and distribution of proppants in fracturing operations, ensuring optimal placement and performance in both freshwater and low total dissolved solids (TDS) environments. In addition to its exceptional proppant suspension capabilities, MFFR delivers 70% or greater friction reduction performance while also providing oil displacement functionality, streamlining operations.

APPLICATIONS

- Fresh water
- Low TDS water

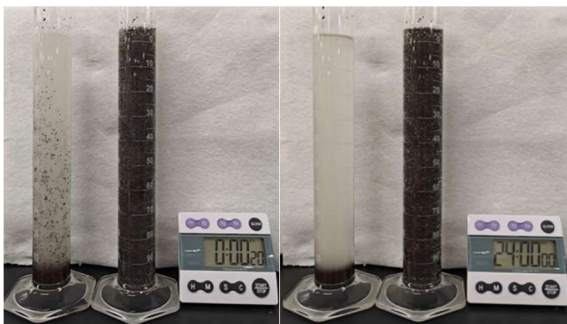
BENEFITS

- Superior proppant suspension
- Compatible with various additives
- Reduce Water Consumption
- Operational Efficiency
- Reduces the number of additives in the field

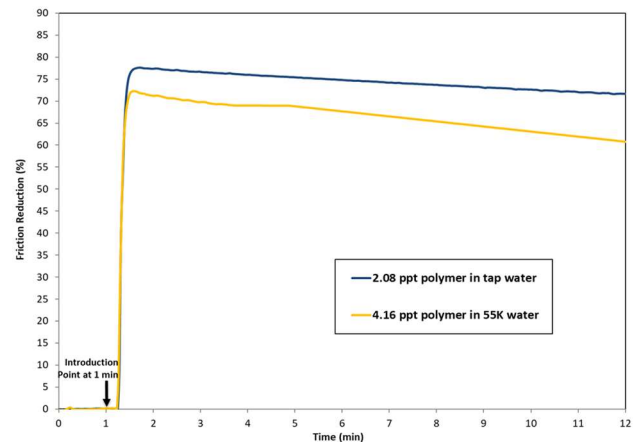
PHYSICAL PROPERTIES

Appearance	White powder
Specific Gravity	1.3
Ionic Charge	Anionic

TESTING RESULTS



MFFR(R) and Guar fluid (L) (0.4%) proppant suspension comparison at 20 seconds and 24 hours.



Friction reduction performance in fresh water and 55k TDS water

FEEDING AND DOSAGE

Recommended use levels are 2 to 5 ppt for friction reduction performance. For superior proppant transportation, 20 to 40 ppt dosages are recommended.

STORAGE

Product should be stored in a cool, dry, and well-ventilated area, ideally between 40°F to 90°F (4°C to 32°C), away from direct sunlight, heat, and moisture. To prevent moisture absorption, keep the product in its original, tightly sealed packaging. Store it away from strong oxidizing agents, acids, and incompatible chemicals, and ensure containers are protected from physical damage. Proper labeling with product information and safety instructions is essential.

PACKAGING

Available in 50 lb bags and 2000 lb bulk bags.