

SureBlock™-108

Water-Conformance Additive

Applications

- Prepares water-control gels in fresh water or brines
- Fills fractures for water shut off

Features and Benefits

- High molecular polymer.
- Completely soluble in water

Product Description

SureBlock-108 is a very high molecular weight polyacrylamide. It can be used to prepare water-control gels in fresh water or brines. The proper ratio of the polyacrylamide to carboxylate will form a strong, temperature tolerant gel for water shutoff applications.

- It's commonly prepared at 0.25 to 0.5% as a stock solution. A minimum mixing time of 2 hours is suggested to ensure complete solubility. Further dilution to 0.025 to 0.05% is recommended before pumping. The stock solution may be safely stored for 24 to 48 hours.
- This type of gel uses a high molecular weight polymer and is best suited for filling fractures, both natural and hydraulically induced. This type of gel should not be pumped into a rock's matrix.

Specifications

Appearance	White, granular powder
Bulk density	~40 lb/ft ³ (~640 kg/m ³)
Molecular weight	13 to 14 million
Charge	Low density anionic
Degree of hydrolysis	<5%
pH (1% solution)	6.5 to 7.5
Solubility in water	Complete

