

SureBlock™-106

Water-Conformance Additive

Applications

- High permeability matrix formations
- Sealing casing leaks
- Sealing channels in the annulus

Features and Benefits

- Low viscosity prior to crosslinking to enable injectivity into formation
- Preblended single-sack product for ease of use
- Accurately controls crosslinking time
- Can be mixed and placed with standard rig equipment or cement blender

Product Description

SureBlock-106 is a blend of high- and low-molecular-weight anionic polymers and a pharmaceutical grade crosslinker. It is used to shut off high-permeability matrix formations (>1 darcy).

The product is a delayed-crosslink anionic polymer pumped into producers to seal off unwanted water or gas production. Crosslinking time can be accurately controlled from 10 minutes to over 8 hours.

SureBlock-106 is mixed into water at a concentration of 22.5 lb/bbl (64 kg/m³). The typical treatment volume of 5 to 400 bbl (0.8 to 63.6 m³) is based on bottomhole temperature and length of the zone to be treated. Depending on bottomhole temperature and required pump time, the addition of a retarder such as SureBlock-104 or SureBlock-105L may be required.

Specifications

Appearance	Green powder
pH (in water)	6.4
Specific gravity	1.2 to 1.22
Solubility in water	Soluble
Density	10.0 to 10.3 lb/gal

