

SureBlock™-105L

Retarder for Water-Control Additive

Applications

- Delays the crosslinking time to enable accurate system placement to effectively seal off unwanted water or gas production

Features and Benefits

- Typical concentrations of SureBlock-105L provide an 8-hr final set once the pills have been spotted.

Product Description

SureBlock-105L is a liquid retarder used to control the gelation/crosslinking time of both SureBlock-101 and SureBlock-102 water control additives. This product is added to the mix water before adding the SureBlock-101 or SureBlock-102. Concentration is based on bottomhole static temperature (BHST) and can range from 1 to 20 lb/bbl (2.9 to 57.1 kg/m³)

Typical loadings of SureBlock-105L

Temperature	Concentration
100°F (37.8°C)	1 lb/bbl (2.9 kg/m ³)
150°F (65.6°C)	6 lb/bbl (17.1 kg/m ³)
200°F (93.3°C)	10.5 lb/bbl (30 kg/m ³)
250°F (121°C)	15.6 lb/bbl (44.6 kg/m ³)
300°F (149°C)	17.6 lb/bbl (50.3 kg/m ³)
350 to 400°F (177 to 204°C)	19.6 lb/bbl (56 kg/m ³)

Specifications

Appearance	Clear liquid
Specific gravity	1.32 to 1.34
Density	11.0 to 11.2 lb/gal (1.32 to 1.34 kg/L)
Solubility in water	Complete

