

Product Description

Sponge-Sweep™ LCM is a first of its kind fast sealing granular lost circulation material pre-blended with reticulated foam (sponge). It is specially engineered to quickly seal a variety of fractures and pores up to 3000 microns. Its sealing particulates are optimized batch by batch and quality controlled for a fast sealing property. The fine flexible sponge is incorporated for adapting the fast sealing to unpredictable sizes or shapes of downhole fractures. With its fast sealing particulates enhanced by sponge, frequently occurring challenging mud losses may be stopped easily by simply pumping a sweep pill in mud of the product to sweep across the loss zone while drilling. With a higher concentration, it may further be used as a squeeze pill to cure severe mud losses. It may also be added to cement or spacer fluids to prevent losses during cementing. It is easy to mix into fluid of suspending capability such as mud at a rig-site with a hopper and designed to deliver consistent fracture sealing capabilities.

Applications/Functions

- Pump a sweep sealing pill to seal loss zones while drilling
- Pump a squeeze sealing pill to cure mud losses and strengthen a wellbore
- Add to cement or spacer fluid for primary cementing to ensure a desired TOC

Advantages

- Offer a highly reliable pre-engineered 'One-Sack-Solution' to lost circulation
- Don't entangle inside BHA like cotton seed hull products
- Versatile applications: sweep sealing pills, squeeze sealing pills, spacer sealing fluids, etc.

Typical Properties

- Appearance: Brownish to grey particles
- Solubility: Partially soluble in acid
- Specific Gravity: 2.0~2.7 (use 2.35 for mixing calculation)

Recommended Treatments

- A Sponge-Sweep sweep pill is typically of 40~60 bbls at a concentration of 50~80 lb/bbl, applied while drilling or cementing. It is typically pumped at around 5 BPM for a contact time over 10 min. Slower pump rates may help sealing wider fractures
- A Sponge-Sweep squeeze pill is typically of 80~120 bbls at a concentration of 100~120 lb/bbl
- When loss paths are wider than 3000 microns, add BaraLock-666.M or -666.C LCM (larger reticulated foam) to further enhance its effectiveness

Packaging

Sponge-Sweep lost circulation material is packaged in 50 lb (22.7 kg) sacks

Contact

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