

# N-SEAL™



**N-SEAL acid soluble lost circulation material is a specially formulated extrusion spun mineral fiber. Due to its solubility in weak acids, N-SEAL lost circulation material is easily removed from production zones in water well applications.**

**N-SEAL can be use in case of small to medium losses of circulation. It is one of the easiest to use LCM's, as it can be mixed into the Bentonite or polymer-based drilling fluid, handled as a fluid additive. N-SEAL can be added directly through a Venturi-Hopper into the mixing system.**

#### Functions

- N-SEAL material can be used as an additive for loss of circulation in concentrations of up to 86 kg/m<sup>3</sup> of drilling fluid.

#### Advantages

- NSF/ANSI Standard 60 certified.
- Acid soluble.
- Easily-wetted.
- Inorganic and non-fermenting.
- Minimal to no effect on rheological properties of the drilling fluid.
- Suitable for the limited annular spaces in wireline drilling applications.

Approximate amounts of N-SEAL added to Bentonite or polymer-based fluids:

<b>Normal treatment (to the active system)</b>	3 - 24 kg/m <sup>3</sup>
<b>As a pill</b>	24 - 86 kg/m <sup>3</sup>

