

FLC 2000®

PRODUCT SPECIFICATIONS

Description

FLC 2000® Wellbore Stabilizer is a proprietary blend of cellulosic materials and modified polymers that quickly and effectively seals to minimize fluid and pressure invasion. The low-permeability seal created by FLC 2000 limits the transmission of destabilizing wellbore pressures into the formation. This barrier, or “shield,” minimizes formation damage and prevents fracture propagation.

Advantage

- Enables Operators to drill with drilling fluid densities greater than the fracture initiation pressure.
- Provides protection for mechanically weak and interbedded shales, preventing sloughing, washouts, hole closures, and collapse.
- Eliminates differential sticking in high-permeability formations.
- Enhances production by minimizing invasion in depleted formations.
- Resists shear degradation and offers a broad particle size distribution.
- Maintains high-temperature stability above 204°C (400°F).

APPLICATION

Seals fractures up to 250 µm – our original Wellbore Shielding® solution.

Enhances wellbore stability across a range of drilling conditions, including deepwater applications, depleted or poorly consolidated formations, interbedded formations, and mechanically weak formations.

Equally effective in water-, oil-, and synthetic-based drilling fluid systems. Suitable for use in all sections of the well, including the reservoir.

Proven to be non-damaging in independent third-party testing.

ENVIRONMENTAL ADVANTAGE

Environmentally compliant for use in all regions.

PLONOR listed for North Sea applications, HMCS Category P, OCNS Group E.

Meets the North American 96-hour LC50 bioassay standard for mysid shrimp.

TREATMENT RECOMMENDATIONS

Typical concentration range: 4–10 lb/bbl.

Engineered for use in circulating drilling fluid systems.

Concentration can be monitored using Impact's proprietary Sand Bed Tester.

PHYSICAL PROPERTIES

Appearance: Light tan, free-flowing powder

pH: 6–7 in fresh water

Specific Gravity: 1.5–1.6 g/cm³

Composition: Does not contain graphite, asphalt, Gilsonite, or other black powder-based materials

HANDLING AND STORAGE

Storage: FLC 2000 should be stored in a dry environment. Avoid creating excessive dust and inhalation. Use appropriate PPE, and review the SDS before use.

PACKAGING

FLC 2000® is available in 25-lb multi-walled bags, with 48 sacks per pallet.

