

## FLC 2000

### Product Description

FLC2000™ is an ultra-low invasion additive that protects the formation by minimizing fluid and pressure invasion into matrix pores and micro- fractures. A low permeability seal limits the transmission of destabilizing wellbore pressure into the geology. This ‘pressure barrier’ effectively minimizes formation breakdown and prevents fractures from propagating. This sealing mechanism minimizes fluid invasion into micro-fractures, stabilising weak shale’s.

By generating a fast, effective seal, Impact’s additives mitigate fluid and pressure invasion into the formation. It’s this single unique property that has supported a diverse range of applications, and delivered success in over 2,000 wells and 24 countries worldwide

### Applications

- + Low invasion fluid loss additive designed for all fluids.
- + Provides wellbore stabilization.
- + Effective at controlling fluid invasion at concentrations as low as 4 - 6ppb.
- + Effective and compatible with all common fluid additives.

### Advantages

- + Drill with mud densities greater than the fracture initiation pressure.
- + Protects mechanically-weak and interbedded shales to prevent sloughing, washouts, hole closure or collapse.
- + Eliminate differential sticking in high permeability formations.
- + Minimizes downhole losses by preventing induced losses.
- + Optimizes production capability by minimizing invasion into depleted reservoirs.
- + Stable to temperatures in excess of 400°F.

**Warranty** - This information is given in good faith and to the best of our knowledge. Every user of our products is responsible as regards observation of all legal regulations including patent laws. Detailed information on handling, and eventual precautions to be observed in the use of the product can be found on our relevant Health and Safety Information Sheet.





By preventing fluid from penetrating micro-fractures or between bedding planes Impact additives have introduced trouble-free drilling to some of the most unstable, mechanically- weak shales in the world.

## Treatment Recommendations

- + FLC2000® can be mixed directly into the fluid system through the mud hopper.
- + Pre-hydration of FLC2000® in a premix can also be used to aid in faster mixing.

## Physical Properties

- + Appearance: Light tan free - flowing powder
- + pH: 6 - 7 in fresh water

## Handling and Storage

- + FLC2000® should be stored in a dry environment
- + Avoid excessive dusting and inhalation
- + Use appropriate PPE, Read the MSDS before use.

## Packaging

- + Packaging: Supplied in multi-walled 25lbs sacks
- + 48 sacks per Pallet

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**Environment**

- + FLC2000® is environmentally compliant for use in all areas
- + PLONOR listed for North Sea use, HMCS Category P, OCNS Group E
- + Passes the North America Mysid Shrimp and Canadian Microtox.



These are some of the shales we have analysed for clients around the world; to diagnose their potential failure mechanism(s)-  
**CHEMICAL, PRESSURE OR**

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