BRIDGE

Lost Circulation Material

Product Description

BRIDGE is granular graphite lost circulation additive used in water-, oil- or synthetic-based drilling fluids to stop losses in permeable and fractured formations.

It is chemically inert and thermally stable.

Typical Physical Properties

Physical appearance	Dark gray to black powder
Specific gravity	2.10-2.30
Solubility in water	Insoluble
Median Particle Size (d_{50})	325±25 µm

Application

BRIDGE additive help to seal porous and fractured formations in all types of drilling fluids

Although the primary function of BRIDGE is a LCM, it also can lower the potential for stuck pipe and reduce torque & drag

Not suitable along with completion fluids

For seepage losses 15 to 20 lb/bbl (43 to 57 kg/m^3) in spotted pills and sweeps. Can be incorporated into the entire system at a concentration of 5 to 10 lb/bbl

For partial losses 20 to 50 lb/bbl (57 to 143 kg/m^3) is spotted pills

For severe may be used in combination with other lost circulation materials of appropriate particle size distribution

BRIDGE require wetting agent for use in oil- or synthetic based mud system

Advantages

- Effective LCM for a wide range of formations and severity of fluid losses
- Controls seepage losses, thereby reducing the possibility of differential sticking
- Decreases the coefficient of friction to reduce torque and drag
- No adverse effects on mud rheology and compatible with all mud systems
- High temperature-stability to more than 500°F (260°C)
- Compatible to use with other lost circulation material additives.

Packaging and Storage

BRIDGE additive is packaged in 55-lb (25 kg), multi-wall paper sacks.

Store in a dry location away from sources of heat or ignition, and minimize dust.