

# G-SEAL PLUS wellbore stabilizing agent

# G-SEAL PLUS COARSE carbon-based bridging agent

Serve as effective bridging and sealing agents for a wide range of formations



#### Temperature:

Stable to > 260 degC (500 degF)

#### Applications

- Porous and fractured formations
- Nonaqueous fluids
- Water-based fluids
- Oil- and synthetic-based fluids

#### How it improves wells

G-SEAL PLUS\* wellbore stabilizing agent and G-SEAL PLUS COARSE\* carbon-based bridging agent are sized plugging agents used to bridge and seal porous and fractured formations in water-, oil-, and synthetic-based drilling fluid systems.

When used to drill depleted zones with high differential pressures, the products' bridging and plugging capabilities reduce differential-pressure sticking tendencies. Both products also can be used to control seepage and partial and severe lost circulation, as well to reduce torque and drag. Both blends are chemically inert and will not affect the rheological properties of drilling fluid systems when used at the recommended concentrations.

#### How it works

The products stop losses in porous and fractured formations while drilling with all mud systems, reducing the possibility of differential sticking by controlling seepage losses and sealing filter cake. Decreasing the coefficient of friction (CoF) minimizes torque and drag.

Both products, when used alone or in blends with other lost circulation materials, facilitate fracture bridging, effectively dissipating fracture energy and preventing fracture propagation. The products deform under compression, providing resistance to fracture reopening.

#### Additional information

The products are compatible with all mud systems and are packaged in 25-kg multiwall paper sacks. The particle size distribution makes them easy to maintain in the entire circulating system. The one-sack products require no other additives and can be easily mixed and dispersed into the system. They can be pumped easily through downhole tools at concentrations up to 285 kg/m<sup>3</sup> [100 lbm/bbl].

Specifications		
Product Name	Median Particle Size, micrometers	Recommended Test Procedure
G-SEAL PLUS agent	100–300	Dry sieve analysis
G-SEAL PLUS COARSE agent	500–800	Dry sieve analysis