

BLOK-R 750

BLOK-R 750 additive is ground marble that is a high-purity, acid soluble, calcium carbonate used for wellbore strengthening in conventional drilling fluids. Because of its high purity, it is not only used for wellbore strengthening applications but also as a bridging agent to prevent lost circulation in reservoir drill-in fluids and workover/completion fluids. Higher purity also provides better acid solubility.*

Typical Physical Properties

Physical appearance.....	White granule
Specific gravity	~2.7
Acid solubility.....	≥ 98%
Calcium carbonate.....	99%
Median particle size	650-850 microns

Applications

BLOK-R 750 additive is an acid-soluble calcium carbonate used primarily for wellbore strengthening in conventional drilling fluids. Alternatively, it may be used as a bridging material for reservoir drill-in fluids, such as FLOPRO* NT, FAZEPRO*, VERSAPRO*, and DIPRO* systems, and workover and completions fluids.

BLOK-R 750 additive can also be used as a lost circulation material, loss prevention material, and weighting material. When used as a wellbore strengthening agent, it is added at moderate concentrations to the whole mud system or in pills at regular intervals and is driven into the induced fracture opening, bridging it near the fracture mouth. This will prop the fracture and create a seal that provides pressure isolation and prevents fracture propagation, thus increasing the hoop stress and fracture resistance and reinforcing an otherwise unstable wellbore. It is used as a bridging agent in highly-permeable zones, fractured zones or completion assemblies. For the best bridging results, BLOK-R 750 additive can be used in combination with other marble, granular graphite and/or nut shells. When used to treat the whole mud system, it is added at concentrations of 1-50 lb/bbl (2.85-143 kg/m³). The OPTI-STRESS* program should be used to select the optimum concentration of BLOK-R 750 additive for wellbore strengthening. The OPTI-BRIDGE* program should be used to select the optimum concentration for conventional sealing of high-permeability or fractured zones.

BLOK-R 750 additive is part of the I-BOSS (INTEGRATED BOREHOLE STRENGTHENING SOLUTIONS*) portfolio of services for preventing lost circulation in depleted zones, deviated wells, and deepwater wells.



Advantages

- Acid-soluble, high purity product which minimizes formation damage
- Effective wellbore strengthening agent; use the OPTI-STRESS program to determine optimum concentration
- Effective bridging material for high-permeability and fractured zones; use the OPTI-BRIDGE program to determine optimum concentration
- High-hardness ground marble resists particle-size degradation
- Essentially inert and has minimum effect on fluid properties when used at moderate concentrations

Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

Packaging and Storage

BLOK-R 750 additive is packaged in 50-lb (22.7 kg), 55-lb (25 kg) and 110-lb (50-kg) multi-wall, paper sacks.

Store in a dry, well-ventilated area. Keep container closed. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

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