

ROCKBLOCK® 5

PRODUCT SPECIFICATIONS

Description

ROCKBLOCK® 5 is a high-performance lost circulation additive, consisting of proprietary materials designed to quickly seal both natural and induced fractures during lost circulation events throughout drilling operations. ROCKBLOCK 5 is a one-sack blend with a tailored particle size distribution, engineered to seal 1–5 mm fractures or interconnected channels in vugular formations. It can be used to stop partial to total loss returns in all types of drilling fluids.

Advantage

- *Effective at sealing a wide range of fracture widths across various formations.*
- *Ease of use: One-sack solution saves time during critical lost circulation events.*
- *Minimizes footprint on location, reducing HSE (Health, Safety, and Environmental) exposure.*
- *Can be pumped through downhole equipment, eliminating the need to trip out prior to treatment.*
- *Withstands differential pressure greater than 1000 psi.*
- *High-temperature stability, performing effectively at temperatures exceeding 204°C (400°F).*

APPLICATION

Used during partial to total lost circulation events.

Can be spotted as pills or run as pill sweeps.

Can be added directly through the mixing hopper into a pit with proper agitation.

TREATMENT RECOMMENDATIONS

For seepage losses, the recommended treatment ranges from 10–20 lb/bbl.

For severe lost circulation, recommended treatments are 30–50 lb/bbl.

Allow proper mixing times to prevent downhole tool failures.

A suitable base fluid viscosity is required to maintain particle suspension, with a yield point (YP) of 40+, especially in low-weight fluids.

PHYSICAL PROPERTIES

Appearance: Brown, free-flowing powder

Specific gravity: 1.7–1.8 g/cm³

HANDLING AND STORAGE

Storage: ROCKBLOCK 5 should be stored in a dry environment. Avoid creating excessive dust and inhalation. Use appropriate PPE, and review the SDS before use.

PACKAGING

ROCKBLOCK® 5 is available in 25-lb multi-walled bags, with 48 sacks per pallet.

