

HALKER

Blocking agent based on cross-linked polymer

HALKER is a blocking agent based on a cross-linked polymer with a high degree of adhesion.
 HALKER is an agent based on synthetic polymers. Optional components include MgO, NaOH, and chromium acetate.

Typical Physical Properties

Physical appearance	White granular powder
Bulk density	0.73-0.6 kg/m ³
Gel formation time (50°C, hours)	2-4

Applications

HALKER is designed to isolate thief zones, water zones and eliminate annular fluid migration to the surface. It can be used as a liquid separating packer when replacing muds of different densities, if required.

Synthetic polymers, which are the active basis of HALKER, allow for a high degree of adhesion of the cross-linked blocking agent to the walls of either well or string. After cross-linking, the blocking agent can withstand a pressure drop of up to 55 atm.

HALKER can be used in gas and oil wells in the course of drilling, ROH, and well development.

Recommended HALKER concentrations are

Polymer base.....	50-80 kg/m ³
Cross-linker.....	60 L/m ³

MgO and NaOH concentrations are selected based on the well temperature and desired cross-linking time.

Packaging and Storage

The polymer base of HALKER blocking agent is supplied in 25 kg bags. The cross-linker is supplied in 30 L canisters. Store in a cool, dry place.

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