

KOMPRESS

Effectively seals fractures in high permeability formations

Applications

- All drilling fluids

Features and benefits

- Cures severe lost circulation
 - Stabilizes the wellbore, enabling continued drilling
 - Creates a filter cake with high compressive strength (> 500 psi [34.5 bar])
 - Replaces costly cement squeezes
- Easy to apply
 - Enables single step mixing and application procedure
 - Eliminates the need to add additional LCM
- Economical
 - Prevents side tracking of wellbore
 - Reduces nonproductive time

The KOMPRESS™ compressive strength lost circulation material (LCM) from Baker Hughes provides a single-step solution for combatting lost circulation. The compressive strength characteristic of the KOMPRESS LCM allows it to effectively seal all types of fractures and highly permeable formations. Its large particle size distribution and unique formulation allow it to be squeezed into the thief zone, forming a solid plug that stops severe lost circulation and reduces wellbore stress.

The KOMPRESS LCM can be used in a wide variety of drilling fluid applications including all water-based and invert emulsion systems. Through its unique mode of action, the KOMPRESS LCM replaces costly cement squeezes and prevents side tracking of the wellbore.

The KOMPRESS LCM leaves behind a dense, high-compressive-strength filter cake.

Recommended treatment

Recommended treatment levels will depend on the actual losses experienced, but standard treatment is to pump 100 bbl of the KOMPRESS LCM into the thief zone, leaving 10 to 20 bbl inside the drill pipe. To apply the KOMPRESS LCM, the BOP's must be closed, and a soft squeeze introduced in 50 psi (3.4 bar) increments (to a max of 250 psi [17.2 bar]) and held for 4 to 6 hours to set plug.

Environmental information

For information concerning environmental regulations applicable to this product, contact the Health, Safety, and Environmental department of Baker Hughes.

Shipping

Transportation of the KOMPRESS LCM is not restricted by international or USA regulatory agencies.

Safe handling recommendations

Use normal precautions for employee protection when handling chemical products. See Safety Data Sheet (SDS) prior to use.

Packaging

KOMPRESS LCM is packaged in 25-lb (11.4-kg) multi-walled bags.

Typical properties

Appearance	Light gray powder
Specific gravity	2.05
Flash point (Closed cup)	379.4°F (193°C)