

TOP-SQUEEZE™

TOP-SQUEEZE™ is a new millennium product, designed to offer effective sealing action to fractured formations, vugular formations and severely depleted sand zones. **TOP-SQUEEZE™** will effectively increase the formation integrity and improve the casing seat pressure test values.

TOP-SQUEEZE™ forms a strong seal which is extremely resistant to trip and pressure surge. The seal is formed quicker than conventional L.C.M. products, as the process of dehydration causes the seal to be set and is controlled by the well bore temperature and the column of fluid, which exerts substantial hydrostatic pressure against the **TOP-SQUEEZE™** pill. There are no activators, accelerators or retarders required in the process. All the components required are included in the **TOP-SQUEEZE™** package.

Determine the appropriate pill volume requirements. In most scenarios, a pill volume of 100 bbls should be considered sufficient and minimum. In large well bores, and in situations where the loss is extreme or total, a greater pill volume is recommended. As a rule of thumb, consider approximately 50% of the pill volume to be dehydrated and dewatered, as the seal is formed in and through the well bore.

TOP-SQUEEZE™ is designed to be mixed utilizing the drilling rig mixing tanks, hopper and centrifugal pumps, and down hole placement can be handled using the rig pumps. Depending on the rig site situation, the mixing and pumping operations can be expedited through the use of a rental mixing tank and a pump truck or skid unit.

Call for a recommendation today!

PACKAGING:

TOP-SQUEEZE™ is packaged in 1600 lb, full pallet units with 40 sacks weighing 40 lbs each, for ease in use and aimed at reducing the potential for damage to typical opened pallets.

TOP-SQUEEZE™
ALL-IN-ONE LCM SQUEEZE PACKAGE

1. Begin with 15 bbls fresh water & 1 pallet TOP-SQUEEZE™ for every finished 20 bbls un-weighted pill.
2. Add barite to desired mud weight. *Use chart below to approximate barite additions & finish volumes for each pallet mix.*

NOTE: Sacks of Barite per 100 bbl of mud = $1470 \times (MW2 - MW1) \div (35 - MW2)$

Basic Mixing Chart for 1 pallet TOP-SQUEEZE

Weight, ppg	Water, bbls	TOP-Squeeze, 40 lb. sacks	Barite, 100 lb. Sacks	Finished Volume
8.8	15	40	0	20
9.0	15	40	2	20
9.5	15	40	8	21
10.0	15	40	14	21
10.5	15	40	20	21
11.0	15	40	27	22
11.5	15	40	34	22
12.0	15	40	41	23
12.5	15	40	48	23
13.0	15	40	56	24
13.5	15	40	64	24
14.0	15	40	73	25
14.5	15	40	82	26
15.0	15	40	91	26
15.5	15	40	101	27
16.0	15	40	111	28
16.5	15	40	122	28
17.0	15	40	134	29
17.5	15	40	146	30
18.0	15	40	159	31
18.5	15	40	173	32
19.0	15	40	187	33

TOP-SQUEEZE has a potential to foam depending on the mix water, therefore TOP-FOAM BLAST can aid in the mixing procedure (an alternative defoamer can be used, but may not be as effective).