

ClayLock™ binds clay platelets together and prevents water intrusion between the platelets - the root cause of clay swelling. It can be added to your water in a variety of ways, and the water-based formulation requires a fraction of the mixing energy required for other clay swelling prevention products.

▶ **1-2 EZ Bags treats 500 gallons**

ClayLock is a proprietary, water soluble clay stabilizer used primarily in reactive clays

PRIMARY BENEFITS

- Additive to combat swelling clays
- Prevents and reverses clay swelling conditions
- Reduces torque by keeping pipe/tooling free of debris

FAQ's

Does the color of ClayLock have any bearing on the performance?

No. There is slight natural variation in the feedstock.

Can I use ClayLock and ProDyne in the same mud blend?

Yes, ProDyne and ClayLock are compatible with each other, and can be used in the same mud mix.

Will ClayLock freeze?

ClayLock will turn to slush at temperatures below 20°F (-7°C). This does not affect the performance, and it will fully activate when introduced into a fluid system.

A SOLUTION FOR EVERY CLAY



When to use ClayLock vs. PolyCap? This is largely determined by the makeup and structure of the clay, which is difficult to predict on surface. Typically, if 2-3 bags of ClayLock are still not providing relief in swelling clay, PolyCap will be a good choice, both economically and performance, to boost the clay swelling prevention

MIXING GUIDE

ClayLock is formulated to prevent reactive clays from swelling. Bentonite is a reactive clay, so adding ClayLock into any mix with bentonite will cause the bentonite to not swell as desired.

It is possible to run a highly concentrated dose of ClayLock directly down the drill stem in the event that reactive clays are unexpectedly encountered during the course of a drilling operation. Upon breaking the joints between two rods, pour between a half to full EZ Bag of ClayLock down the rod and circulate fluid to get concentrated exposure to the reactive clays quickly.

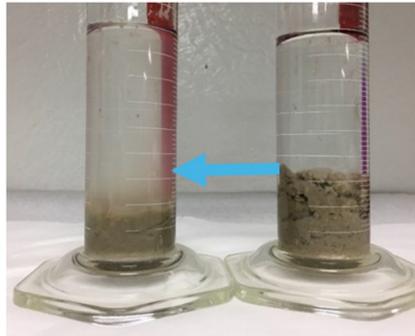
If starting with an empty tank:

1. Fill tank with water to roughly half of desired capacity
2. Add ClayLock through the top of the tank. The energy of the water filling the tank will be sufficient for agitation and mixing of product.
3. Mix tank for 2-3 minutes for full dissolution

If adding into a tank already filled to target capacity:

1. Tank fluid must be moving either via pump or mixing jets
2. Add ClayLock through the top of the tank
3. Mix tank for 2-3 minutes for full dissolution

After 24-hours of swelling time



ClayLock on left, competitive product on right

Does your soil have reactive or swelling clays?



LOW	SOIL	Water	
		Sticky Clay	
		Swelling Clay	1 to 2 EZB
		Mixed Sand	
		Fine Sand	
		Medium Sand	
HIGH	ROCK	Coarse Sand	
		Pea Gravel	
		Pebbles	
		Cobble Rocks	