



SW-101™



Product Information

Description

Wyo-Ben’s unique **SW-101™** is an innovative breakthrough in drilling fluids and containment slurries. This contamination resistant bentonite is engineered for use in slurry cutoff walls and drilling operations where exposure to seawater is expected. It is highly recommended for use in water well, caisson drilling, horizontal boring and slurry wall applications where traditional bentonite fluids will not perform.

Characteristics

- Hydrates easily in fresh water, brackish water, seawater or a combination
- Displays excellent fluid loss control so formation sloughing is minimized
- Costs less than CMC polymer systems and builds a superior wall cake
- Has superior flow properties due to excellent bore hole stability

Application

The salinity of typical seawater is such that conventional fresh water components cannot function properly. Similarly, materials used in saturated salt muds are not able to respond properly in the limited saline environment of seawater. The table below illustrates the properties achieved by various mud systems mixed in seawater. **SW-101™** demonstrates superior performance and durability and is very cost effective.

Product	Percent Weight	Funnel Viscosity	600 Fann Rdg	Fluid Loss
SW-101™	6	34	15	13.7
	7	36	19	11.5
	8	38	24	9.5
HYDROGEL®	6	28	5	92
	7	28	5	87
	8	29	6	81
EXTRA HIGH YIELD™	6	30	11	109
	7	32	13	101
	8	34	17	95
Attapulgate Clay	6	35	24	144
	7	38	34	129
	8	44	48	120

In most operations, adding **SW-101™** at a 7% rate to seawater is ideal (four 50 pound bags per 300 gallons of make-up water). For best results, establish and maintain a 45 sec/qt marsh funnel viscosity. Drilling in unconsolidated formations may require increased addition rates.

Packaging

SW-101™ is available in 50 pound & 100 pound bags, bulk bags and bulk.

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