

SLURRYBOND™ 200

DRILLING FLUID SOLIDIFIER

DESCRIPTION

SLURRYBOND 200 is a proprietary solid, granular super-absorbent polymer that rapidly absorbs and retains aqueous matter. SLURRYBOND 200 is made from non-biodegradable polymer designed for use on waste slurry that fails to pass a Paint Filter Liquids Test (PFLT) or slump test.

RECOMMENDED USE

SLURRYBOND 200 should be poured into or across the surface of the waste slurry pit. The SLURRYBOND 200 can be stirred into the waste slurry with a backhoe or excavator.

CHARACTERISTICS

- Will not increase volume of waste being treated
- Helps waste slurry pass a Toxicity Characteristic Leaching Procedure (EPA Method 1311)
- Will not release liquids after freezing and reheating to 160°F
- Will not release trapped ionic contaminants if solute evaporation occurs

PACKAGING

50 lb (22.7 kg) bags, 40 per pallet. All pallets are plastic-wrapped.

CHARACTERISTICS		
COLOR	WHITE	
Moisture Content	6 - 9%	
Bulk Density (lbs/ft ³)	42±2	
PARTIAL SIZE		
U.S SIEVE SIZE	% RETAINED	
30 MESH	13.8	
50 MESH	56.3	
70 MESH	18.6	
100 MESH	9.8	
200 MESH	1.5	
-200 MESH	0	
TOXICITY ANALYSIS		
	EPA STANDARD PPM	TYPICAL PPM
Arsenic	5.0	0
Barium	100.0	0
Cadmium	1.0	0
Chromium	5.0	0
Lead	5.0	0
Mercury	0.2	0
Selenium	1.0	0
Silver	5.0	0

SOLIDIFICATION DOSING TABLES - SLURRYBOND 200

SLURRY CHARACTERISTICS			DOSAGE BY WEIGHT ADDITIVE PER 100 GALLONS							
MUD WEIGHT (LBS/GAL)*	% SOLIDS BY VOLUME (GAL/GAL)	% SOLIDS BY WEIGHT (LB/LB)	2.1 LB	4.2 LB	6.3 LB	8.3 LB	10.4 LB	12.5 LB	14.6 LB	16.7 LB
8.35	1.18	2.78	no	partial	okay	good	good	good	good	good
9.00	4.89	11.62	no	partial	okay	good	good	good	good	good
9.75	11.55	25.21	no	partial	okay	good	good	good	good	good
10.40	17.34	35.19	no	partial	okay	good	good	good	good	good
11.40	22.41	42.81	partial	okay	good	good	good	good	good	good
12.00	26.90	48.83	partial	okay	good	good	good	good	good	good
12.50	30.89	53.70	partial	okay	good	good	good	good	good	good
12.90	34.48	57.73	okay	okay	good	good	good	good	good	good
13.30	37.71	61.11	okay	good	good	good	good	good	good	good

no	=	A result of 'no' means that this mix will require more solidification additive.
partial	=	A 'partial' result represents a very sticky material that can be left to sun-dry further until it reaches a workable consistency.
okay	=	An 'okay' result will pass the paint-filter test in 24 hours, but will be too sticky to shovel effectively.
good	=	A 'good' result represents one that is stable enough to shovel transport in 24 hours.

Note: Dosage rate are based on lab tests and will vary depending on the characteristics of the drill spoils

All slurry formulations are based on a 2.8% solids blend of bentonite in DI water with added soils. Solidification additive content will increase with salt concentration.

Percent Solids by Volume refers to the volume of solids per volume of slurry containing both bentonite and soils.

Percent Solids by Weight refers to the weight of solids per weight of slurry containing both bentonite and soils.

* Mud weight to percent solids relationship may differ dependent upon exact make up of fluid and solids.

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