



HIGHEST PERFORMANCE AT THE LEAST COST

POLYBLEND-B

Low molecular weight dry Polymer

INFORMATION SHEET

Composition	Acrylamide/sodium acrylate copolymer.
Active content	98%
Physical properties	White/creamy small granules like coarse sugar. Slight ammonia odor. pH = 8.5 at recommended concentration. Solubility in water : 10% @ 20°C. Bulk density : 0.8 g/cm ³ (34 Lbs/CF).
Proportioning	.04% to .2% of POLYBLEND-B depending on water quality, viscosity required and whether used pure or blended with bentonite.
Toxicity	None.
Impurities	None.
Packaging	50 Lbs multiply, poly. lined bags.
Storage and Handling	Keep floor area clean : very slippery product when wet.
Spillage	Sweep or vacuum dry powder. Use absorbing materials if wet. Flush spill area with chlorinated water.
Breakdown	Mud viscosity may be broken with strong oxidizers such as chlorine or a mild acid preferably in dry form.
Packaging	50 pounds multiply, poly. lined bags.
Fire	Use Carbon Dioxide (CO ₂) foam extinguishers.



POLYBLEND-B™ APPLICATIONS

POLYBLEND-B™ is a multipurpose polymer which can be used in most drilling operations, from small diameter holes to large drilled piers. Performs well in all fine soils and rock formations. Absolutely great for all forms of drilling in clayey soils.

DIAMOND CORING

Better lubrication, cooling and cleaning of the drill bit will increase bit life.

GEOTECHNICAL CORE SAMPLING

Possibility of 100% recovery in cohesionless sands.

ROTARY DRILLING

Fast and clean hole drilling (tiebacks, pin piles, piezometers).

DRILLED PIERS

Augered holes from 12 to 108 inches. Clean concrete interface.

AIR AND PERCUSSION DRILLING:

Powerful foam stabilizer with good hole stability and better cuttings uplift.

WATER WELLS

Perfectly safe for water wells with proper breakdown procedures.

ALL DIAMETERS TUNNELING

All jacked pipe technologies benefit from the exceptional lubricating qualities of the polymer slurry which can be pumped at any viscosity (slurry up to grease consistency).

Soil conditioner for earth pressure balance shield in the slurry form or dispensed as stabilized foam. Increases advance rate in plastic and clayey soils by preventing wheel smear and mucking auger fouling.

CAISSON SINKING

Lubricating slurry for gravity sunken caissons.

SLURRY BLEND: POLYBLEND-B will blend with mineral colloids such as bentonite to produce a very low filtrate mud with as little as 1% bentonite. This class of slurry is very economical and performs well in any kind of ground, while offering the flexibility to meet changed soil conditions.

POLYBLEND-B IN BRIEF

Ideal polymer/bentonite blend drilling mud.

More polymer per dollar compared to emulsions.

Ideal for working in all soils whether cohesive or granular .

Very easy to dispose of at the end of the job.

Harmless to the environment.



US REFERENCES

POLYBLEND-B Synthetic Polymer

Structural Slurry Walls

Project	Location	Square feet built	Contractor
SECRET SERVICE	Washington	72,000 SF	CLARK
LINCOLN SQUARE	Washington	24,000 SF	CLARK
CARPENTERS UNION	Washington	32,000 SF	CLARK
New DC CONV. CENTER	Washington	245,000 SF	CLARK/SMOOT
CHILDREN'S HOSPITAL	Cambridge	54,000 SF	NEFCO

DRILLED SHAFTS

Project	Location	Contractor
PROVIDENCE MALL	Providence RI	NEFCO
I 95	Bridgeport CT	NEFCO
CAT/C15A2	Boston MA	AGRA/NEFCO
LOGAN AIRPORT	Boston MA	The MILLGARD Corp
RAMPS RI DOT	Providence RI	NEFCO
LOGAN AIRPORT	Boston MA	NEFCO