

Description & Function:

PolyCUT® is an opaque to white free flowing granular 100% active modified cellulosic polymer designed to for use as support fluid in hydromill or hydrocutter applications.

General Application Instructions:

PolyCUT can be used by itself as a complete fluid with cutters or with the HydroCUT Additives. It is especially effective when used in a saltwater environment. The PolyCUT technology was specifically designed to build viscosity and control fluid loss in the presence of multiple contaminants including saltwater and marine clay. PolyCUT also works to control clay and shale buildup on/or gumming of the cutting drums and teeth of hydro mills. By keeping the wheels and teeth clean, higher production rates can be achieved. PolyCUT, in conjunction with its associated additives, helps control the creation of fines by encasing the clay and shale cuttings, keeping them in larger pieces as they come off the cutting face. This keeps the slurry mobile and easy to pump allowing for increased production rates to be maintained. In high silt soils, PolyCUT maintains its viscosity thereby maintaining a highly mobile and readily pumpable fluid resulting in higher excavation rates.

As the PolyCUT is returned from the panel to the plant the cuttings are typically removed by the hydro-cyclones and the shakers with such efficiency that the resulting slurry is within retained solids, or density specifications. At this point the recovered slurry only requires mild augmentation with fresh PolyCUT and any related additives to restore the fluid to specification for immediate reuse. This is typically achieved in a continuous loop without interruption to slurry circulation or the mill or cutter's excavation rates. The use of PolyCUT allows for the excavation of soils containing soft and/or moist clays, shales, mudstone, fine sandstone, tills and silts. Dosage ranges between 0.5 to 5.0 kg per cubic meter of water depending on soil and water conditions and if it is used independently of other additives.

Formation Type	Suggested PolyCUT Initial Dosage		
	lbs / yd ³	lbs / 1000 gals	kg / m ³
Clay & Shale	1.00 - 3.50	5.00 - 17.50	0.50 - 1.50
Silt & Fine to Medium Sand	3.50 - 6.00	17.50 - 30.00	1.50 - 2.50
Coarse Sand to Pea Gravel	6.00 - 8.50	30.00 - 42.50	2.50 - 4.00
Gravel to Cobbles	8.50 - 11.00	42.50 - 55.00	4.00 - 5.00

Packaging:


25 kilo / 55 lb. poly bags.

Availability:

PolyCUT is available from KB International's warehouses or from our distribution partners worldwide. Please call for availability in your area.


Phone
1-423-266-6964

Website
KBTech.com

Email
info@KBTech.com

735 Broad Street, Suite 300
Chattanooga, TN 37402

The information in this document is given in good faith and is accurate to the best of our knowledge. Because we can neither anticipate nor control the different conditions under which this information and our products are used, we make no warranty of performance or this estimate expressed or implied. Typical properties given herein are not specifications. Our policy is to continually review historical site data, product formulations and manufacturing to assure technical suitability and cost-effectiveness. Product characteristics are subject to change without notice. Users of our products are responsible for compliance with government regulations and patent laws. The Synthetic Slurry Systems and Products are covered by the following US Patent's, 5,407,909; 5,663,123; 6,248,697; and 6,897,186 and various corresponding International patents. Other U.S. and International patents pending. All users should discuss the product with an appropriate representative of KB International, LLC before utilizing the product. SlurrySMART®, HydroCUT®, SlurryShield®, SlurryPro®, HydroCUT®, EnhancIT®, SeaDrill®, SandSeal®, and InstaFreeze® are all registered trademarks of KB International LLC.