

MAGMA FIBER

Description

MAGMA FIBER is a specially formulated, extrusion spun mineral fiber. This coarse, long flexible fiber will give increased circulation by bridging and plugging off voids, fractures and all types of permeable formations.

MAGMA FIBER is compatible with all oil and water based muds and emulsions. The interlocking nature of these strong fibers produces a framework for forming a low permeable mud cake with a resultant reduction in drilling fluid loss and hole caking. Low alkaline, flexible, inorganic **MAGMA FIBER** is inert to drilling fluids. The fiber is non-corrosive to expensive equipment while maintaining high-solubility diluted hydrochloric acid. It is particularly adaptable to rework operations.

MAGMA FIBER is coated with a monomolecular film of a specially formulated surfactant (that speeds separation of the fibers), then formed into nodules. These nodules are formed into loosely connected groups so that when they are immersed in drilling fluids and subjected to agitation the nodules separate into the individual fibers.

ACID SOLUBLE, EASILY WETTED, NON-COMBUSTIBLE, NON-FERMENTING, INORGANIC, NON-POLLUTING, NON-CORROSIVE, NON-TOXIC, TEMPERATURE STABLE, CONTAINS NO ASBESTOS.

TYPICAL CHEMICAL ANALYSIS:

COMPOSITION	% WEIGHT
SiO ₂	38-42
Al ₂ O ₃	9-12
CaO	30-40
MgO	8-15
Fe ₂ O ₃	0-2
Total Alkalines as Na ₂ O	1-2
SO ₃	0.5 or less
PROPERTIES	
pH in water	7.0-8.0
Loss on ignition	Less than 0.5
% water soluble	Less than 0.2
Water soluble sulfate	Less than 0.05
Melting point	2400Â°F

APPLICATIONS:

MAGMA FIBER can be used in concentrations of up to 30+ lb/bbl in slug treatments or as additive to entire system. MAGMA FIBER has been used in concentrations of ½ bag every 30 minutes for ongoing seepage, to concentrations of 5-15 lb/bbl for seepage/partial or total losses. MAGMA FIBER is particularly suitable for oil base mud, when more than 6-10 bags are mixed at once, a man should be at the shaker screen when the slug comes around (to clean or bypass the shaker screen). MAGMA FIBER can be used in all oil and water base mud systems. MAGMA FIBER should be added directly into pits and gunned into the mud, it can be mixed through the mud hopper but it is slower.

LIMITATIONS:

When acid solubility is not important, a combination of materials can be added to ensure a good particle size distribution.

PACKAGING:

MAGMA FIBER is available in 30 lb paper bags.

MAGMA FIBER FINE is available in 25 lb paper bags.