

# Magma Fiber

## Description

Magma Fiber is a specially formulated acid soluble, extrusion spun mineral fiber for lost circulation problems. Magma Fiber is 97.3% soluble in a 7.5% HCl acid. This coarse, long flexible fiber will seal by bridging and plugging off voids, fractures and all types of permeable formations.

Magma Fiber when sheared and dispersed within the base fluid creates a lattice network of fibers across encountered zones of permeability and porosity to reduce whole loss of fluid to the formation.

## Applications

Magma Fiber can be used in many fluids, water-based, oil-based, completion and work-over fluids. Magma Fiber can be added on a continuous basis or pumped in sweeps depending upon the severity of the losses encountered. Magma Fiber performs best in concentrations of up to 30 lb/bbl (85.0 kg/m<sup>3</sup>) mixed in a pill or slug.

## Features and Benefits

- Compatible with all oil and water based muds and emulsion.
- Acid soluble
- Easily wetted
- Non-corrosive
- Non-fermenting
- Inorganic
- Non-polluting and non-toxic
- Non-combustible,
- Temperature stable
- Inert

## Typical Properties

Appearance	Granules or Powder
Color	Grey
Specific Gravity	2.6
pH (1.0% Sln.@25°C)	7.0 – 8.0
Melting Point	1315°C

## Recommended Treatment

Magma Fiber can be mixed through the hopper or added directly to the mud tanks wherever there is adequate agitation.

Magma Fiber can be used in concentrations of up to 30 lb/bbl (85 kg/m<sup>3</sup>) in slug treatments or as additive to entire systems. Magma Fiber has been used in concentrations of ½ a bag every 30 minutes for ongoing seepage, to concentrations of 5.0 – 15.0 lb/bbl (15-45 kg/m<sup>3</sup>) 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).

## Safety and Handling

Prior to using this product, refer to the safety data sheet for information on use of personal protective equipment, safe handling, storage, transport, and disposal.

## Packaging

Magma Fiber is available in 30 lb (13.6 kg) bags. Magma Fiber is a trademark of Lost Circulation Specialist, Inc.

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