

“Nearly anyone can develop products; MiSWACO develops technologies”

While we've been solving problems for our customers, we've developed new systems and new ways of using them that have reduced drilling and completion costs, improved production rates and minimized environmental impact. These developments have given M-I SWACO HDD Mining & Waterwell one of the strongest and most complete product and service offerings in the industry.



Mining Drilling

Mining exploratory drilling requires that the borehole be stabilized while **obtaining the maximum geological information from returning core or cuttings**. The drilling fluid design must be able to address some of the most challenging geologic conditions. From exploratory drilling to core recovery, the drilling fluid must maximize borehole stability, properly **clean the hole and maximize core recovery**.



Mining Drilling Fluid Products

MAX GEL high yield bentonite mixes easily to provide viscosity and suspension of cuttings and provides a high quality filter cake to aid in stabilizing the borehole.

suspension » high quality filter cake » hole stabilization

PLATINUM PAC additive is a readily dispersible PAC specially designed for easy mixing. It enhances the filtration control properties of a MAX GEL slurry and also helps stabilize problem shales.

viscosity » filtration control » shale stabilization

POLY-PLUS family of polymers aid in providing inhibition and aids in controlling the swelling of reactive clays and shales.

inhibition of reactive clay » controlling of swelling and sticking clay and shales

ROD EASE lubricant helps protect the rods and provides excellent lubricity to aid in reducing torque.

lubricity » reducing torque

ROD COAT high performance, environmentally friendly drill rod grease that reduces rod vibration; helps protect the rods and reduce rod vibration, especially where higher temperatures are expected.

rod protector » reducing rod vibration



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Mining Drilling Fluid Systems

KLA GARD SHALE STABILIZER SYSTEM

“Reach your drilling and environmental goals with the high-performance water-base system that’s as flexible as you need it to be.”

The KLA-SHIELD system’s broad range of polyamines makes it a preferred system where environmental guidelines dictate a water-base fluid and hole conditions demand flexibility. This gives you a water-base system that is fine-tuned to meet a variety of drilling challenges - large diameter wellbores, extended-reach drilling, and highly reactive shales.

Features and Benefits

- Polyamine base for enhanced environmental performance over potassium chloride-based systems
- Flexible enough to meet geological and performance requirements • Better waste management
- Superior stabilization in fractured shales
- Economical and technical solutions
- Easy to build and maintain systems for optimized inhibition and reduced costs
- Ideal for drilling high-angle wells in reactive shale formations
- More tolerant to contamination with drill solids
- Reduced clay dispersion and hydration

DRILPLEX SYSTEM

“With the DRILPLEX system, M-I SWACO has given the industry a water-base drilling fluid whose unique viscoelastic properties make it ideal for an array of applications.”

The DRILPLEX system delivers exceptional performance whatever you’re facing — **Drilling lost circulation zones** – **Casing milling operations** - **Stabilizing unconsolidated formations** - **Coiled tubing operations** - **Environmentally sensitive areas** - **High-angle and horizontal wells**.

The DRILPLEX system will get you there and back with fewer problems and at a lower overall cost.



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