Technical Data Sheet

Oilfield Solutions

Premag M

General Description

PREMag M Cement Additive is a chemical expansive additive developed for use at temperatures from 100° to 210°F. PREMag M is a specially designed magnesium oxide, derived from naturally occurring deposits of magnesite. The material is a fine ground, free-flowing powder with high reactivity.

Primary Features and Benefits

- PREMag M Additive can provide improved bonding and zonal isolation
- Helps to prevent shrinkage and channeling
- Non-hazardous in normal working conditions

Secondary Features and Benefits

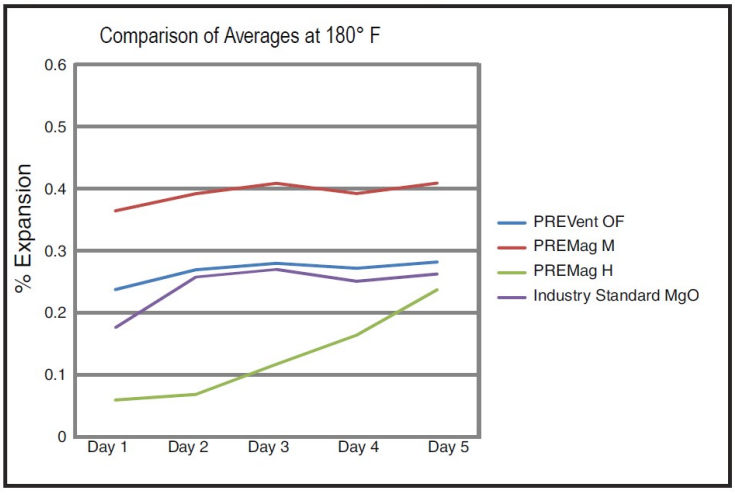
- Improved fluid loss numbers
- Slight gains in viscosity
- Shortening of total thickening time
- Lower free fluid

Applications

PREMag™ M can be mixed in either fresh or saltwater cement slurries. When blended into salt saturated slurries, the upper temperature bound can be expanded to 300°F. PREMag™ H Cement Additive can be used for temperatures exceeding 210°F in typical primary cementing.

Testing Data

The graph below shows the averages taken across three expansion rings at 180° F. PREMag M shows the highest amount of expansion of all four additives tested at 180° F.



Typical Properties

- Specific Surface Area (m2/g) - 35
- Bulk Density (lb/ft3): Loose 40 / Tapped 58
- Specific Gravity – 3.56
- Absolute Volume – 0.0337

Typical properties given do not constitute a supply specification.

Packaging/Storage

PREMag M is packaged in sacks containing 50-lb (22.7-kg) net weight, 1000kg supersacks, & bulk.

Store in a dry area protected from moisture. Once bags are opened they must be sealed until all material is used. Material should be consumed within six months. Special packaging is available upon request.

Health and Environmental Data

Before handling or using this product please refer to the Safety Data Sheet for complete health, safety and environmental information. Dispose of waste in accordance with local, state and federal regulations.

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