

GMA-400 HPHT Solid Gas Migration Control Additive Cement Additive

GMA-400 is a solid polymer blend additive that is designed to increase the filtration control, bonding strength, gas migration control and acid resistance in cement slurries. GMA-400 obtains reduced permeability of set cement and coats the outer edge of the cement slurry, causing a tighter bond to any surface. GMA-400 also possesses secondary characteristics as a free water and suspension additive.

GMA-400 is compatible with most cementing additives and functions at bottomhole circulating temperatures (BHCTs) of ambient to 400°F. It is recommended that proper dispersants (DCD-33, DCD-32) and defoamers (CP-DFL) are used with any polymer bonding agents.

Advantages & Benefits

- Improves both filtration and gas migration control.
- Improved bonding strength to the casing and any water wet surface.
- Resistance to acids and corrosive fluids.
- GMA-400 is extremely effective when added in conjunction with (anti-gas migration/free-water additive)
- Superior solids suspension properties
- GMA-400 is self-stabilized and can be used in salt slurries and does not require any additional stabilizer to prevent coagulation.
- Compatible with current CPI dispersants, defoamers and retarders.
- Functions at bottomhole circulating temperatures (BHCTs) of ambient to 400°F.
- Useful in a variety of slurries, including light slurries, slurries with retarders, slurries with high yield points, salt-saturated slurries, and secondary polymer slurries.
- Can be used for slurries encountering downhole temperatures tested up to 500°F

Application	Material Properties
Form	White to off white Solid Free Flowing
Specific Gravity	Powder 1.00-1.25
Recommended Treatment	0.5-1.0% BWOC
pH	6.5 – 8.5



Cost

Total well costs are often lower as a result of higher product operational efficiency, fewer performance problems and less rig time. GMA-400 results in lower operational costs as a result of an increased drill rate and an increased cement bonding strength when applied.

Compatibility

GMA-400 can be used in high temperature, low density cement slurry formulations containing retarders, polymer, and high salt content.

Recommended Treatment

GMA-400 is recommended to be added at concentrations of 0.5-1.0% BWOC.

Handling

For specific instructions refer to SDS information or as illustrated on product containers.

Packaging

50-pound (or 25kg), multilayered heavy-duty sacks. 40 bags a pallet.