

AMERICAN GILSONITE

Multifunctional, high-performance additive yields important benefits

Increase the performance of set cement

Gilsonite® G-Bond is the one high-performance additive that significantly improves the characteristics most critical to preserving your wellbore asset while also reducing costs. Adding 15% Gilsonite® uintaite to 12.5 ppg slurry can increase slurry yield by 8%, driving down costs per barrel.

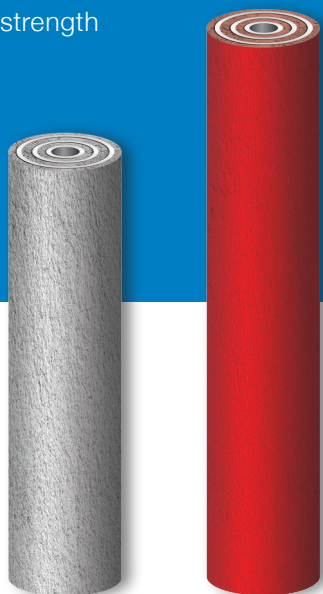
Decrease costs

8%
or more

Per barrel with 15% Gilsonite®

STRENGTH

23% increase in compressive strength



0% Gilsonite®
G-Bond
15.8 ppg slurry

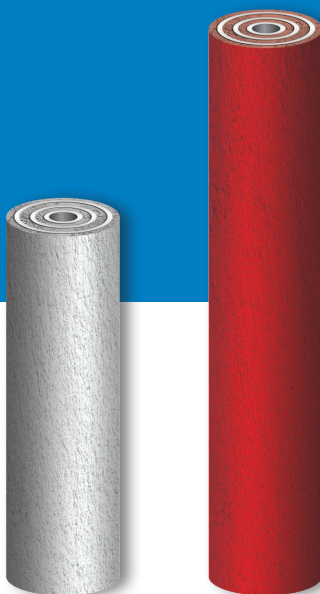
10% Gilsonite®
G-Bond
15.8 ppg slurry

Supports compressive strength development

Gilsonite® uintaite improves the cement-to-water ratio by displacing excess water to increase compressive and tensile strengths, extending the life of set cement. Gilsonite® adds the strength needed to meet stringent regulatory requirements for both primary and remedial cementing applications.

FLEXIBILITY

Up to 34% improvement in Young's Modulus



0% Gilsonite®
G-Bond
12.5 ppg slurry

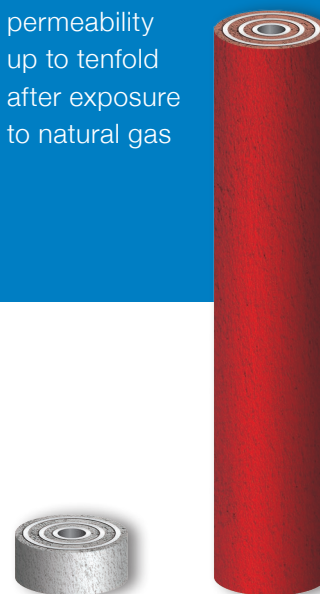
15% Gilsonite®
G-Bond
12.5 ppg slurry

Increases flexibility and reduces cracking

In lower density slurries, Gilsonite® uintaite improves the flexibility and resiliency of set cement, allowing cement to withstand more stress without cracking or leaking. In addition, Gilsonite® yields significant cost savings compared to hollow beads.

ZONAL ISOLATION

10% G-Bond has been shown to reduce cement permeability up to tenfold after exposure to natural gas



10% Gilsonite®
G-Bond
Pre-exposure

10% Gilsonite®
G-Bond
Post-exposure

Self-healing properties reduce permeability

Gilsonite® uintaite is self-healing when exposed to hydrocarbon gas, impermeable and non-porous. This enables it to plug induced microfissures in the cement sheath, reduce porosity up to 5% and reduce water permeability up to 22%. Gilsonite® strengthens the cement bond to the formation and to the casing for greater zonal isolation.



Contact us to learn how to reduce cementing costs and improve performance

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