

WELLSHIELD All-Purpose LCM Package

Product Data



WELLSHIELD is a blend of chemically inert nitrile rubber, synthetic flakes, asphaltite, and other inert bridging material that have been carefully ground to a specific wide particle size distribution to enhance its lost circulation control, filtrate loss prevention, wellbore stability improvement, gas migration control and water requirement-insensitive weight modification.

WELLSHIELD is a unique LCM for the restoration of wellbore stability since it is ideal for all type of drilling fluids (WBM, OBM), as well as cement spacers and cement slurries. WELLSHIELD is a low specific gravity, non-porous, non-permeable product with a wide particle size distribution. WELLSHIELD provides an all-purpose solution to LCM, saving material costs, reducing foot print on the rigsite, and simplifying wellbore stability to a one product solution.

WELLSHIELD is a high temperature compatible product, and in contrast to lower softening point products that would exhibit complete melting high temperatures, WELLSHIELD exhibits a high softening point compared to other LCM products which controls allows the product to gradually soften and warp as it approaches the softening point.

Advantages & Benefits – In Cement Slurry

- WELLSHIELD is available in fine, medium, and coarse sizes (PSD available upon request).
- Compatible with water-based muds, oil-based muds, water based mud systems, spacer fluids and cement slurries.
- Inert, high temperature stable, performance-proven and economical loss circulation material.

Cost

WELLSHIELD provides an efficient, low cost solution to filtration control and shale stability. WELLSHIELD thus provides operational advantages, which results in lower operational costs.

Compatibility

WELLSHIELD is broadly compatible and commonly used additives with Cementing fluids. Performance is stable in variable temperature and downhole conditions.

Recommended Treatment

Contact CPI for normal treatment depending on the application.

Handling

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

Packaging

50-pound, multilayered heavy-duty sacks or 1000lbs super sacks, 2000lb net weight per pallet.

Application	Material Properties
Suitability	WELLSHIELD, chemically inert cement grade flakes, are used as a high temperature filtration control agent, loss circulation material, gas migration control, and bond strength improver. WELLSHIELD is inert, synthetic, and effective in a wide range of temperature in a variety of applications.
Appearance	Variable Color Inert Solid Granules and Solid Flakes
Specific Gravity (g/cc)	1.15-1.25
Recommended Treatment	Treatment depends on the application and the severity of loss experienced. Contact CPI for loading guidance. Typically 10- 40lb per barrel in spacers, 6-12% BWOC (By Weight of Cement) in cement slurries, and 10-40lb per barrel in drilling fluids are recommended.

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