



STRATA CONTROL SERVICES, INC.
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STRATA-VANGUARD®

STRATA-VANGUARD® is a unique blend of inorganic sealants and bridging agents that are used as an innovative approach to the initial response to lost circulation. **STRATA-VANGUARD®** is pre-measured and packaged to take the guesswork out of the formulation of initial response lost circulation material pills.

STRATA-VANGUARD® employs research developed by Strata Control Services, Inc. to effectively bridge and seal extremely permeable formations, over-balanced formations or hydraulically induced fractures.

BENEFITS:

- Pre-mixed and packaged
- Compatible with all fluid systems
- Mixes in existing fluid with the rig equipment
- Eliminates need for multiple LCM products
- Reduces transportation costs to deliver and return excessive LCM products
- Saves rig space and minimizes waste
- Environmentally safe, non-toxic
- Use as a sweep or as a squeeze pill

APPLICATION:

As a contingency, it is generally recommended that **STRATA-VANGUARD®** accompany initial orders of SCSi products intended to prevent seepage or loss circulation problems. If a lost circulation scenario is encountered, the bit should be pulled to above the suspected loss zone. Depending on the mud weight, up to 100 ppb can be mixed (specific recommendations are made on a well by well basis) into the active mud, and spotted in the open hole. When vugular or cavernous formations are encountered, and in lighted density scenarios, **STRATA-VANGUARD®** can be used as an addition to **FRAC-ATTACK®**.

Note: **STRATA-VANGUARD®** has extremely effective sealing characteristics. A Strata Control representative can tailor a recommendation and pumping procedure through your string and well bore configuration. Call anytime for a recommendation.

PACKAGING:

- 50 pound bags
- 50 bags per pallet.
- Palletized & Shrink-Wrapped

“THE MUD STOPS HERE!®”