

## VersaSet

### Thixotropic Additive

**V**ersaSet additive is a thixotropic additive designed to help control free water, promote early strength development, prevent cement fallback, and control fluid migration during primary cementing applications.

### Applications

VersaSet cement additive can be used to accelerate slurry at low temperatures and to impart thixotropy. It can be used by itself or with other cementing additives.

VersaSet additive helps provide excellent compressive-strength development and settling control. It is effective at temperatures from 30° to 140°F. Very low concentrations of VersaSet additive can be used at temperatures above 140°F when only settling or freewater control is needed.

### Compatibilities

Halad® additives and latex materials can be added to slurries containing VersaSet additive to help decrease fluid loss and further prevent gas migration.

Salt can be used to retard the reactive nature of VersaSet additive; however, excessive salt (more than 12% for lightweight or 18% for normal-weight slurries) may increase the additive's dispersing effects to an uneconomical level.

#### VersaSet Additive—Product Specifications

Part No.	100007865	Bulk Density	50.00 lb/ft <sup>3</sup>
Form	White powder	pH	11.5
Specific Gravity	2.300	Packaging	50-lb bag

#### VersaSet L Additive—Product Specifications

Part No.	100012256	Bulk Density	12.08 lb/gal
Form	Clear, colorless liquid	pH	14
Specific Gravity	1.450	Flash Point	None
Pour Point	D-37°F (-37°C)	Packaging	5-gal drum

#### VersaSet FS Additive—Product Specifications

Part No.	516.00790	Bulk Density	10.83 lb/gal
Form	Yellow/tan liquid	Flash Point	122°F (50°C)
Specific Gravity	1.300	Packaging	330-gal tank

Excessive use of conventional retarders, dispersants, and dispersing fluid-loss additives may decrease the additive's thixotropic properties.

VersaSet additive is incompatible with Suspend HT anti-settling additive, aluminum, copper, tin, and zinc.

## **Benefits**

VersaSet thixotropic cement additive provides the following benefits:

- This additive can allow slurry properties such as transition times and gelation profiles to be customized for specific jobs.
- VersaSet additive is ideal for use at very low temperatures.

- This additive helps slurries develop gel strength quickly.
- It can help reduce job costs by reducing waiting-on-cement time and the need for fluid-loss additives.
- VersaSet additive produces no known hazardous decomposition products, and contains no toxic ingredients.
- VersaSet additive is available as a powder (VersaSet), an aqueous solution (VersaSet L), and a hydrocarbon suspension (VersaSet FS) prepared in either diesel or kerosene.

**For more information on the benefits VersaSet Thixotropic Additive can bring to your cementing operations, contact your local Halliburton representative.**

[www.halliburton.com](http://www.halliburton.com)

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