

# PowerClean® Plus

## Spacer System



## Product Specifications



### DESCRIPTION

The PowerClean® Plus spacer is a proprietary temperature stabilized one-sack cementing system engineered to achieve required fluid properties for optimized displacement with enhanced fluid compatibilities. When used with the exclusive PowerClean® Calculator, the combination provides the required yield point to achieve the maximum hole cleaning.

### ADVANTAGE

Versatility in any well condition

Stable rheology at elevated temperatures

Compatible with all standard weighting materials

Can be mixed on the fly through the cement mixing system

Easily mixed in a batch mixer, displacement tanks or on the fly

### APPLICATION

Designed for HPHT environments

Delivers maximum compatibility

Boosts drilling fluid displacement

Separates the drilling fluid and cement

Successful in washed-out wellbores

Enhances zonal isolation

### DESIGN RECOMMENDATION

Use the PowerClean Calculator to select optimized spacer concentration

Mix using rig hopper, batch mixer, or through cement mixing system

Mix water should be treated to remove high calcium or magnesium levels

For optimum rheology maintain a spacer pH of 9-10 with addition of OH ions or a pH buffer

When batch mixing, shear for 30 minutes after PowerClean Plus is added. Shear an additional five minutes after weighting agents are added; when a weighted spacer is required.

Add the surfactant or solvent last, if required for OBM/SBM water wetting to minimize foaming.

### PHYSICAL PROPERTIES

Appearance: Pink/brown powder

Specific gravity: 1.8-1.9 g/cm<sup>3</sup>  
(15.02-15.86 lb/gal)

### HANDLING AND STORAGE

PowerClean Plus spacer can be slippery when wet. Avoid breathing dust. Use PowerClean Plus spacer only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapor) below recommended limits. An approved dust mask should be worn if dust is generated during handling. Avoid build-up of dust. Keep containers in a clean, cool and dry area away from heat sources. Keep containers properly sealed when not in use. Review the SDS before using this product.

### PACKAGING

PowerClean Plus spacer is available 45-lb multi-walled bags. In total, 55 bags to a pallet.