

## The Spacer WellSpace

WellSpace is the basis for a viscous buffer designed to physically separate drilling and cement slurries during cementing. WellSpace is compatible with cement and drilling fluids and prevents the formation of viscous paste when contacting the drilling fluid and cement.

WellSpace allows you to design a buffer fluid for specific well conditions by selecting the required rheology, solution density, and, if necessary, introducing special washing reagents.

### Advantages

- Predicted regulation of rheology of buffer fluid
- Possibility of introducing flushing additives and use with OBM
- Ability to add bentonite as an additional thickener
- Specific gravity of the additive 1.8 g / cm<sup>3</sup>
- Working concentration of 1% to 8% by weight of water
- Stable at densities from 1.05 g / cm<sup>3</sup> to 2.4 g / cm<sup>3</sup>
- Operating temperature from 15 C to 120 C, circulation rate. (BHCT)

### Technical parameters

Description	Specification*
Appearance	White powder
Sedimentation after 4 hours, %**	≤ 2
Compatibility with cementing and drilling slurry ***	Yes
Bingham viscosity и ДНС	11.5 Па, 24 сП

\*Density 1.3gr/cm<sup>3</sup>, temperature 65rpC, WellSpace 3.0%

\*\*Density difference between upper and bottom part of the sample after 4 hours at 56 C

\*\*\* There is not rheological anomaly when mixing with cement and drilling slurries with proportions 30/70, 50/50, 70/30

### Packing, transportation, handling

- 3-layer 25kg bags or under customer's request
- Keep in closed packing in dry and well ventilated places
- Do not damage packing.
- Shelf time 2 years.

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