



## Product Information

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### Flowzan

#### GENERAL DESCRIPTION

Flowzan is a high purity xanthan gum biopolymer and a high performance powder.

#### *Application:*

- Horizontal drilling and completions
- Drilling large diameter wellbores
- Solids-free drilling, completion and workover fluids.
- Coring fluids
- Gravel packing operations
- Clean perforating fluids
- Coiled tubing applications
- Profile modification

#### FEATURES AND BENEFITS

- Stable rheology control
- Excellent suspension characteristics
- Produces shear thinning fluid for optimum penetration rates
- Performs well in fresh water, sea water, brine and saturated salt fluids
- Requires less material than other types of viscosifiers
- Compatible with most other drilling fluid additives
- Minimizes formation damage
- Reduces circulating pressure losses
- Effective friction reducer

#### RECOMMENDED TREATMENT

<i>Application</i>	<i>Treatment</i>
Horizontal Drilling	0.7-6.0 kg/m <sup>3</sup>
Drill-in Fluids	0.7-6.0 kg/m <sup>3</sup>
Drilling large dia. well bores	2.0-6.0 kg/m <sup>3</sup>
Solids free drilling (workover/completion)	2.0-6.0 kg/m <sup>3</sup>
Coring fluids	0.7-6.0 kg/m <sup>3</sup>
Gravel packing ops.	3.0-6.0 kg/m <sup>3</sup>
Clean perforating fluids	0.7-6.0 kg/m <sup>3</sup>
Coiled tubing friction reducer	0.6-2.0 kg/m <sup>3</sup>
Lost circulation	3.0-6.0 kg/m <sup>3</sup>
15% HCl acid viscosifier	4.0-7.0 kg/m <sup>3</sup>

#### TYPICAL PHYSICAL PROPERTIES

Appearance	White Powder
Odour	Slight Odour
Solubility in water	Complete
% volatile by vol.	Negligible

#### HANDLING

Flowzan is not a controlled product under the WHMIS classification system. Refer to MSDS information for specific precautions and handling.

#### AVAILABILITY

Flowzan is available in 11.34kg and 25kg sacks from HiTech Fluid Systems Ltd.