

NATRASOL HI-VIS

VISCOSIFIER

NATRASOL HI-VIS is a non-ionic, ultra-high molecular weight HEC (hydroxyethylcellulose) designed specifically to viscosify water-based drilling fluids. The free-flowing powder has been surface-treated to disperse rapidly and dissolve easily in water. The resulting polymer solution is clear, viscous and essentially residue-free.

FEATURES AND BENEFITS:

- Provides a low-solids, cost-effective viscosifier for completion and workover fluids, spud muds, low-solids drilling fluids and fracturing fluids.
- Exhibits a shear-thinning (pseudoplastic) behavior.
- Under high shear at the bit, the apparent viscosity thins, thereby increasing penetration rates.
- In low-shear zones such as in the annulus, viscosity is regained instantaneously, providing excellent suspending properties for optimum hole cleaning.
- Is compatible with other drilling fluid additives such as biocides, oxygen scavengers and corrosion inhibitors.
- Will viscosify fresh water, sea water and salt solutions up to saturation.

RECOMMENDED TREATMENT:

2 – 50 kg/m³ or more depending on the application.

Note: Laboratory testing is recommended for optimum concentration for an application.

PHYSICAL PROPERTIES:

Appearance:	Off white powder; odourless
Specific Gravity:	1.38
Solubility:	Dispersible
pH:	6.0 – 8.5 (1% solution)
Viscosity:	4400 – 6500 cP (1% water, 25°C)

MIXING/HANDLING:

Mix directly through the hopper. NATRASOL HI-VIS solution prepared in pH neutral waters is rapid; cold water will require a longer hydration time. Refer to the SDS for specific precautions and handling requirements.

MICROTOX® THRESHOLD: TBD

PACKAGING: 22.68 kg bags / 40 bags/pallet