



ThinFrac™ HV FRHV-766

REDUCES FRICTIONAL PRESSURE DURING FRACTURING OPERATIONS

APPLICATIONS

- Unconventional and conventional fracturing operations
- Fresh water to light brines
- Slickwater and high-viscosity fluid at low and high loadings, respectively

FEATURES & BENEFITS

- Reduces friction pressure by up to 70 to 80% during fracturing operations
- Rapid hydration in fresh water to light brines
- Very effective viscosity builder to improve proppant transport
- Enhances operational efficiency by pumping a single product at low concentrations as a slickwater fluid and at higher concentrations to carry more proppant
- Effective clean-up to prevent damaging fracture conductivity

OVERVIEW

ThinFrac FRHV-766 is an anionic friction reducer in emulsion form that effectively reduces pumping pressure in fresh water to light brines and displays superior viscosity-building properties. Fluid viscosity and proppant transport characteristics are enhanced under both static and dynamic conditions when compared to traditional friction reducers and linear guar. At higher loadings, this technology can replace guar fluid traditionally used in hybrid jobs. This leads to increased operational efficiency by removing the need for separate hydration units and simplifying operations.

TYPICAL PROPERTIES

APPEARANCE	Milky, off-white liquid
FLASH POINT	> 200°F (> 93°C), estimated
POUR POINT	-22°F (-30°C)
CHARGE	Anionic