

FR21-HV High Viscosity Friction Reducer

FR21-HV is a 35% active anionic liquid friction reducer, designed for slick water completions and coil tubing operations. FR21-HV has a high brine tolerance and has been successfully used in water containing >100,000 mg/L total dissolved solids.

FR21-HV builds excellent viscosity when used at higher concentrations. This allows the polymer to be used in fracturing if additional fracture width is required or in coil tubing operations when additional solids transport is needed.

Features and Benefits

- ✓ Over 70% friction reduction with rates of 0.25 l/m³ in brine waters up to 100,000 TDS
- ✓ Can be batch mixed on location for smaller volume treatments
- ✓ Rapid hydration in both cold and hot water
- ✓ Higher loadings can generate increased viscosity in brines up to 100,000 TDS

Applications

- ✓ FR21-HV can be used in Fracturing to provide friction reduction and increased viscosity when required in harder to frac areas
- ✓ FR21-HV can be used in coil tubing applications for friction reduction and as a sweep chemical for removing solids when required

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