

# ANCO PAC R

*Solutions Through Technology.....*

*Environmentally Friendly Chemicals*

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## Product Description

ANCO PAC R is a high molecular weight, polyanionic cellulose polymer, designed for optimum performance in water based drilling fluids.

## Typical Application

ANCO PAC R is primarily used to control filtration rate in water based muds. The product is also an effective shear thinning viscosifier, increasing rheological properties at all shear rates. ANCO PAC R may be used in most water based drilling fluids ranging from fresh to saturated salt water.

## Product Advantages

- Acts as a protective colloid, inhibiting the hydration of clays by coating (encapsulating) drilled solids and the well bore with a thin polymer layer that delays hydration and dispersion.
- Provides outstanding filtration rate control and viscosity improvement in fluids of widely varying salinity and pH.
- Disperses rapidly in aqueous environments, ranging from fresh to salt saturated water.
- Extremely resistant to the attack of micro organisms and does not ferment.

## Recommended Treatment

ANCO PAC R is typically used at concentrations of 0.2 - 2.0 lbs/bbl (0.6 - 5.7 kg/m<sup>3</sup>). Control of filtration rate is normally established with a concentration of less than 1.0 lb/bbl (2.8 kg/m<sup>3</sup>), while viscosity enhancement may require treatment levels in the upper end of the indicated treatment range.

In order to optimize performance and prevent the formation of lumps (fisheyes), ANCO PAC R should be mixed through the hopper at a controlled rate no faster than 20 - 30 minutes per sack.

## Handling

Employees should utilize normal precautions when handling chemical products. The use of safety goggles, gloves and apron are recommended when handling this product. In case of eye contact, flush with clean, fresh water and seek medical advice. In case of skin contact, wash the affected area with soap and water. The use of dust mask is recommended when using this product. Review the Material Safety Data Sheet (MSDS) for this product prior to use.

## Storage

Store in a dry area, protected from precipitation and moisture.

## Packaging

Packaged in 50 lb (22.5 kg) multi-walled paper sacks.

## Typical Chemical and Physical Properties

Bulk density, lb/ft <sup>3</sup> . . . . .	36
Specific Gravity g/cm <sup>3</sup> . . . . .	1.1 - 1.2
Solubility . . . . .	Soluble in fresh water, sea water and saturated brines
Appearance . . . . .	Free flowing white powder
Color . . . . .	White to off-white
Odor . . . . .	None
pH . . . . .	6.5 - 8.5
Temperature Stability, °F . . . . .	.275