

## CR-180

## FOR 120° - 220°F BHCT

### Description

CR-180 is a lignosulfonate-based cement retarder. It is a dark brown to black fine powder that dissolves in water.

### Properties

Form: Powder	Color: Brown or Black
Odor: Earthy	Solubility: Complete in water
Absolute Volume: 0.086 gal/lb	Bulk Density: 40 lb/ft <sup>3</sup>

### Application

CR-180 is designed to give economical, reliable retardation of oil well cements in the BHCT range from 120°F (49°C) to 220°F (104°C). As cement itself varies in its response to any retarder, pilot testing of blends is recommended to ensure proper field performance. Typical usage concentrations range from 0.2% by weight of cement at lower temperatures to 1.2% or higher near the top of the temperature range.

### Compatibility

CR-180 is compatible with all Portland cements.

### Handling/Storage

Store in a dry place. CR-180 is a fine powder and as such can be a nuisance dust. Avoid breathing dust and avoid eye contact. If skin or eye contact occurs, wash thoroughly with water. Refer to Material Safety Data Sheet (MSDS) for handling and hazard data.

### Packaging

CR-180 is shipped in 50 lb bags.