



enventives

VEN-XTEND™

RECOMMENDATIONS

1. Ven-Xtend™ is used to extend the set-time of Ven-Block™ polymer-based lost circulation pills.
2. Ven-Xtend™ may be mixed through the mixing hopper or added directly to the mixing tank.
3. Concentrations higher than 5 or 6 lb/bbl should be avoided because the final strength of the Ven-Block™ pill will be reduced.
4. Refer to the Ven-Block™ mixing procedure for complete instructions on using Ven-Xtend™.

SPECIAL PRECAUTIONS

Don't use Ven-Xtend™ without pilot testing with components on site, including the actual water to be used. Use the Ven-Xtend™ Concentration vs. Time Graph only as a guideline. It is preferred that the water used to prepare a Ven-Block™ plug be free of polyvalent ions such as calcium, magnesium, and iron. Pretreatment with sodium bicarbonate and/or sodium carbonate can reduce these ions to an acceptable level.

Unless the polyvalent ions are removed, Ven-Xtend™ may react and be partially consumed by these soluble cations. If this happens and pilot tests have not been run, the projected set-time will be shorter than the guidelines indicated.

This is one of the reasons for the need to run pilot tests under the actual conditions. The water being used to prepare a Ven-Block™ plug should be adjusted to pH 9-10 with sodium hydroxide prior to the addition of Ven-Xtend™.

The pH should be checked after the Ven-Xtend™ is added and should remain at pH 9-10 prior to the addition of Ven-Block™.

GENERAL INFORMATION

Ven-Xtend™ is an alkaline salt used to extend the set-time of Ven-Block™ plugs. Prior to the addition of Ven-Block™, the mixing water should be buffered to the desired pH by the addition of Ven-Xtend™.

Ven-Xtend™ may be used to extend the pumping times of Ven-Block™ from 15 minutes to 5 hours or more in fresh water, sea water, and sodium or potassium chloride brines.

PACKAGING

Ven-Xtend™ is packaged in 30 lb plastic containers.

PHYSICAL AND CHEMICAL PROPERTIES

Form	: Granular hygroscopic salt
Color	: White
Bulk Density	: 71-79 lb/cu.ft.
pH (1% Solution)	: 8.9
Solubility	: Approximately 63% in fresh water

STORAGE AND HANDLING

Ven-Xtend™ is a hygroscopic material and should be stored in a dry place. Contact with eyes or skin should be avoided. Breathing of dust should be avoided. See Safety Data Sheet for specific information concerning storage, handling, transportation, and safety requirements.

Ven-Xtend™ Concentration Guideline

