



# P-EXT

## **CEMENTING SERVICE BULLETIN**

07/23/12

### P-EXT (PETROCHEM – EXTENDER)

#### TECHNICAL DATA

**P-EXT** is a silicate extender which provides greater compressive strength than gel. The addition of Petrochem chemical extender P-EXT to a cement slurry will allow the use of larger quantities of mix water than recommended by the API standards without excessive water separation. This affords a lower density and a higher slurry yield. The addition of 3 percent P-EXT can increase the yield of a sack of cement by as much as 250 percent, as shown in the attached data tables.

Also, P-EXT accelerates the strength development of the cement. Because of the low bulk storage requirements, P-EXT is most applicable in remote locations and offshore where available bulk storage is limited. P-EXT can be used with API 'Class A, B, C, G and H cements. P-EXT can be mixed into seawater or a substitute seawater prepared with 3 lb. P-ACC per bbl. of water.

#### PROPERTIES

<u>PRODUCT</u>	<u>FORM</u>	<u>SP. GR.</u>	<u>PACKAGING</u>
P-EXT	White Granular Solid	2.40	50 Lb. /sack

#### SAFETY:

SEE MSDS.



## COMPATIBILITY WITH ADDITIVES

Although the most commonly used additives are compatible with P-EXT, they are not very effective in P-EXT slurries. The primary reason is that the P-EXT slurries contain large amounts of water which dilute the additives.

If there are any questions concerning the use of a particular additive, the Petrochem laboratory should be consulted.

## CONCENTRATION

The recommended concentration of P-EXT ranges from 0.25 percent to 3.0 percent, by weight of the cement. These concentrations provide a slurry density range of from 14.5 lb. per gal to 11.0 lb. per gal.

The choice of concentration depends on the working time required. On short jobs where separation might be a problem, the higher concentration may be used. On longer pumping jobs where the slurry is circulated to surface or where the slurry is pumped in plug-flow, the lower P-EXT concentration is recommended.