



P-HTD & HTDL

CEMENTING SERVICE BULLETIN

05/27/18

P-HTD & HTDL (PETROCHEM – HIGH TEMP. DISPERSANT POWDER & LIQUID)

TECHNICAL DATA

P-HTD & P-HTDL (Petrochem - High Temperature Dispersant Powder & Liquid) has been found to be the best dispersant in high temperature cement slurries, but may find most of its application in high density cement systems (15.5 TO 20.0 PPG). This dispersant is generally used in a temperature range from 200 deg.⁰F to 525 deg.⁰F BHCT and will function in cement slurries containing salt in any concentration. P-HTD and P-HTDL have a Tri-Functional benefit in that it works as a Dispersant, Retarder, and also enhances the effectiveness of most fluid-loss additives.

The optimum concentration of this additive will vary with the cement and cement system. However, the normal concentration is between 0.5 % to 2.0 % by weight of cement for the powdered product, or 0.1 to 0.4 gals/sk. for the liquid product. Modification of the concentration will influence all three properties (theology, retardation and fluid-loss control). Due to its high activity, it is recommended that increments of 0.05% to 0.1% BWOC or 0.01 to 0.02 gals./sk. be tested when adjusting the concentration.

It is important to note that when P-HTD and P-HTDL is used, free water should be thoroughly checked at BHCT, or at least through the API operating free water test. P-HTD (powder) can either be blended with the cement or dispersed in the mix water and P-HTDL is easily mixed with water.

PROPERTIES

<u>PRODUCT</u>	<u>FORM</u>	<u>SP.GR.</u>	<u>PACKAGING</u>
P-HTD	Brown Powder	1.38	50 lbs. /Sk.
P-HTDL	Brown Liquid	1.24	55 Gallons/Dr.