



P-HTR2L

CEMENTING SERVICE BULLETIN

1/10/22

P-HTR2L (PETROCHEM – HIGH TEMPERATURE RETARDER 2 LIQUID)

TECHNICAL DATA

P-HTR2L is a liquid high temperature retarder for use in cement slurries from 220°F. to 400°F. P-HTR2L also provides a slight dispersing action in cement slurries thus aiding turbulent flow techniques. This retarder is very economical in that very low concentrations are required.

P-HTR2L can be readily dispersed in the mix-water to provide uniform distribution throughout the cement slurry. The normal range of use for P-HTR2L is 0.02 gals/sk. to 0.4 gals/sk.

P-HTR2L is compatible with all API classes of cement although the concentration for a certain thickening time at a given depth and temperature may vary with the brand of cement. Therefore, laboratory tests with the actual cement, additives and location mix water should be tested prior to the cement job.

P-HTR2L has a slight tendency to foam the cement systems of which can be easily controlled by using P-DFL or P-AFA (Petrochem - Antifoam Agents – liquid and powder).

PROPERTIES

<u>PRODUCT</u>	<u>FORM</u>	<u>SP.GR.</u>	<u>PACKAGING</u>
P-HTR2L	Brown Liquid	1.12	55 Gal. Drums

SAFETY

Read the SDS before use.



CLASS H CEMENT + P-HTR2L

DENSITY: 16.5 PPG
123.43 PCF

W.R.: 5.28 GPS

YIELD: 1.385 CU FT/SK

THICKENING TIME UNDER A. P. I. CONDITIONS

% ADDITIVE	10,000 FT	12,000 FT	14,000 FT
	197°F	230°F	250°F
0.16	4:00	3:00	2:25

COMPRESSIVE STRENGTH
P. S. 1. (24 HOURS)

% ADDITIVE	230°F	260°F	280°F
0.16	3,500	4,100	4,750