



P-MTR4

CEMENTING SERVICE BULLETIN

09/06/12

P-MTR4 (PETROCHEM - MEDIUM TEMPERATURE RETARDER)

TECHNICAL DATA

P-MTR4 is a powdered medium temperature retarder for use in cement slurries from 200⁰F. to 350⁰F. P-MTR4 also provides a dispersing action and aids in fluid loss. This retarder is very economical in that very low concentrations are required.

P-MTR4 can be dry blended or readily dispersed in the mix-water to provide uniform distribution throughout the cement slurry. The normal range of use for P-MTR4 is 0.05% To 1.0% BWOC. The liquid version P-MTR4L is normally used at a concentration of 0.1 gal/sk which provides the same activity as 0.25 % P-MTR4 BWOC.

P-MTR4 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-MTR4 has a slight tendency to foam the cement systems of which can be easily controlled by using P-DFL or P-AFA3 (Petrochem - Antifoam Agents – liquid and powdered).

PROPERTIES

<u>PRODUCT</u>	<u>FORM</u>	<u>SP.GR.</u>	<u>PACKAGING</u>
P-MTR4	Brown Powder	1.34	50 Lb. /sack.
P-MTR4L	Brown Liquid	1.11	55 Gal/Dr.

SAFETY

Chemical goggles and dust masks are recommended while handling P-MTR4/P-MTR4L. Eye contact will result in irritation and could cause some injury to the eye, if P-MTR4/P-MTR4L gets in the eyes wash eyes with fresh water for 15 minutes. And get medical attention. Resistant gloves are to be worn, if skin is contacted wash with soap and water. Inhalation: no systemic injury is expected. Read the SDS before use.



CLASS H CEMENT + P-MTR4

DENSITY: 16.5 PPG
123.43 PCF

WR: 5.28 GPS
1.385 CUFT/SK

THICKENING TIME UNDER A.P.I. CONDITIONS

	10,000 ft.	12,000 ft.	14,000 ft.
% ADDITIVE	197 ⁰ F	230 ⁰ F	250 ⁰ F
0.4	4:00	3:00	2:25

COMPRESSIVE STRENGTH

PS1 (24 HOURS)

% ADDITIVE	230 ⁰ F	260 ⁰ F	280 ⁰ F
0.4	3,500	4,100	4,750