



P-MTR5L

CEMENTING SERVICE BULLETIN

05/27/12

P-MTR5L (PETROCHEM – MEDIUM TEMPERATURE RETARDER LIQUID)

TECHNICAL DATA

P-MTR5L is a Medium Temperature liquid cement retarder for slurries designated for use from 170 deg. F. To 295 deg. F. P-MTR5L disperses easily in water and can be used with either fresh or sea water.

Once dispersed in water P-MTR5L is compatible with all of the commonly used cements and cement additives. The normal concentration range of P-MTR5L is 0.02 To 0.5 Gallons per sack of cement.

Generally speaking, the use of P-MTR5L at 0.02 To 0.4 Gals. /Sk. of cement mixed with fresh water at 16.2 Ppg. will provide approximately a four hour thickening time at a temperature range of 170 deg. F. To 290 deg. F. Respectively. However, specific thickening time data for slurry design must be determined in the laboratory with the cement, water and other additives intended for use on the job.

If additional thickening time is required, boric acid or granular borax may be added to the mix water. However, lab tests must determine the concentration needed.

PROPERTIES

<u>PRODUCT</u>	<u>FORM</u>	<u>SP. GR.</u>	<u>PACKAGING</u>
P-MTR5L	Amber Liquid	1.26	55 OR 5 GAL. PAILS.

SAFETY

Chemical goggles are required while handling P-MTR5L since the product is sticky and eye contact could be irritating. If the P-MTR5L gets in the eyes, wash the eyes for at least 15 min. If irritation persists, get medical attention. If the skin is contacted - wash thoroughly with water.



CLASS H CEMENT + P-MTR5L

DENSITY:	16.5 PPG	W. R.:	5.28 GPS
	123.43 PCF		1.385 CUFT/SK

THICKENING TIME UNDER A.P.I. CONDITIONS

	14,000 FT.	16,000 FT.	18,000 FT.
% ADDITIVE	230 ⁰ F	270 ⁰ F	290 ⁰ F
0.4	4:00	3:10	2:35

COMPRESSIVE STRENGTH

P. S. 1. (24 HOURS)

% ADDITIVE	300 °F
0.4	4,500