



P-MTR4L

CEMENTING SERVICE BULLETIN

09/06/12

P-MTR4L (PETROCHEM - MEDIUM TEMPERATURE RETARDER)

TECHNICAL DATA

P-MTR4L is a Liquid medium temperature retarder for use in cement slurries from 200⁰F. to 350⁰F. P-MTR4L also provides a dispersing action and aids in fluid loss. This retarder is very economical in that very low concentrations are required.

P-MTR4L can be readily dispersed in the mix-water to provide uniform distribution throughout the cement slurry. The normal range of use for P-MTR4L is 0.02 – 0.3 gallons per sack.

P-MTR4L 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.

PROPERTIES

<u>PRODUCT</u>	<u>FORM</u>	<u>SP.GR.</u>	<u>PACKAGING</u>
P-MTR4L	Brown Liquid	1.07	55 Gal/Dr.

SAFETY

Chemical goggles and dust masks are recommended while handling P-MTR4L/P-MTR4LL. Eye contact will result in irritation and could cause some injury to the eye, if 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-MTR4L

DENSITY:	16.5 PPG 123.43 PCF	WR:	5.28 GPS 1.385CUFT/SK
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APPROXIMATE THICKENING TIME UNDER A.P.I. CONDITIONS

	10,000 ft	12,000 ft	14,000 ft
Gals/SK.	197°F	230°F	250°F
0.13	3:00	2:25	

APPROXIMATE COMPRESSIVE STRENGTH

PS1 (24 HOURS)

Gals/sk.	230°F	260°F	280°F
0.13	3,500	4,100	4,750

Thickening times of water-reduced slurries are different to normal API water content slurries without P-D88L. All slurries should be tested in a laboratory before field application.