



P-FLA

CEMENTING SERVICE BULLETIN

06/03/91

P-FLA (PETROCHEM - FLUID-LOSS ADDITIVE)

TECHNICAL DATA

P-FLA is a powdered fluid-loss additive designed for use at BHCT temperature up to 200⁰ F In water from fresh to 18 % salt bwow.

P-FLA can either be dry blended or pre-mixed in the mix water. At temperatures below 100⁰F P-FLA exhibits a retarding effect and the use of an accelerator (calcium chloride) should be used to reduce the WOC time without appreciable affecting the fluid-loss control. However, laboratory tests should be run before the job to confirm the cement design.

P-FLA is used in primary and squeeze cementing operations at concentrations of 1.0 To 1.5 Percent B.W.O.C. And will yield fluid-loss values from 50 to 150 cc/30 min.

P-FLA is compatible with all API classes of cement and most cement additives. However, extended systems require a higher concentration of fluid-loss additive due to the diluting effect of the additional water used in the extended system, subsequently a special additive, P-FLE was designed for this use.

PROPERTIES

<u>PRODUCT</u>	<u>FORM</u>	<u>SP. GR.</u>	<u>PACKAGING</u>
P-FLA	Brown	1.29	50 Lbs./Sack

SAFETY

Chemical goggles should be worn when handling P-FLA as it is considered a nuisance dust. If the product gets in the eyes, wash thoroughly with water for at least 15 minutes if irritation persists, seek medical attention. For skin contact, wash with soap and water, if irritation develops, see a doctor. Inhalation is not a sever problem, if overcome, move to fresh air.



CLASS H CEMENT + P-FLA

DENSITY: 16.5 PPG **W.R:** 4.28
 123.43 PCF **YEILD:** 1.05 CU FT/SK

THICKENING TIME UNDER A.P.I. CONDITIONS

% ADDITIVE	6,000 FT	8,000 FT	10,000 FT	12,000 FT
	110 ⁰ F	130 ⁰ F	150 ⁰ F	170 ⁰ F
0.2	2:20	1:50	1:10	----
0.4	2:45	2:01	1:25	----
0.6	4:00	2:50	2:00	----

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

% ADDITIVE	130 ⁰ F	150 ⁰ F	200 ⁰ F
0.6	1,900	2,050	2,600