



P-FLA

CEMENTING SERVICE BULLETIN

1/10/22

P-FLA (MEDIUM TEMPERATURE FLUID-LOSS ADDITIVE)

TECHNICAL DATA

P-FLA is a powdered fluid-loss additive designed for use at BHCT temperature up to 200°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 100°F 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 0.3 to 1.5 Percent BWOC and can yield fluid-loss values ~ 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	1.36	50 lb. Sacks

SAFETY

Read the SDS before use.

CLASS H CEMENT + P-FLA

DENSITY:	16.5 PPG 123.43 PCF
W.R.:	4.28 GPS
YIELD:	1.05 CU FT/SK

THICKENING TIME UNDER A. P. I. CONDITIONS

<u>% ADDITIVE</u>	<u>10°F</u>	<u>130°F</u>	<u>150°F</u>	<u>170°F</u>
	<u>6,000 FT</u>	<u>8,000 FT</u>	<u>10,000 FT</u>	<u>12,000 FT</u>
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. 1. (24 HOURS)

<u>% ADDITIVE</u>	<u>130°F</u>	<u>150°F</u>	<u>200°F</u>
0.6	1,900	2,050	2,600