



P-ACC

CEMENTING SERVICE BULLETIN

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11/29/91

P-ACC (PETROCHEM-ACCELERATOR CALCIUM CHLORIDE)

TECHNICAL DATA

P-ACC may be used during the cementing of conductor, shallow and production casing, lost circulation zones, shallow squeeze and casing leaks and to set whip stock or PTA plugs when tagging the plug is necessary. It is a white powdered, flaked or pelletized accelerator used in cement to provide reliable and predictable acceleration, compressive strength and t thickening time. All slurries using calcium chloride should be tested in the laboratory before field applications. It should also be noted that the quantity of calcium chloride is calculated by the weight of the cement (BWOC).

PROPERTIES:

| <u>PRODUCT</u> | <u>WEIGHT</u> | <u>SP. GR.</u> | <u>PACKAGING</u> |
|----------------|---------------|----------------|------------------|
| P -ACC | 501b cu ft. | 1.96 | 0.0612 gal/lb |

SAFETY

See Material Safety Data Sheet



CLASS H CEMENT + CALCIUM CHLORIDE

DENSITY:
123.43 PCF

16.5 PPG
YEILD:

W.R.: 4.28 GPS
1.05 CU FT/SK

THICKENING TIME UNDER A. P. I. CONDITIONS

| % | 4,000 ft | 6,000 ft | 8,000 ft | 10,000 ft |
|----------|-----------|-----------|----------|-----------|
| ADDITIVE | 100°F | 113°F | 128 °F | 167 °F |
| 0 | 3:15 | 2:10 | 1:30 | 2:50 |
| 0.1 | 2:30 | 1:40 | 1:05 | 3:00 + |
| 0.2 | 1:20 | 1:05 | 0:50 | 3:00 + |
| | 12,000 ft | 14,000 ft | | |
| | 197 °F | 230 °F | | |
| | 2:15 | 1:40 | | |
| | 3:25 | 2:35 | | |
| | 3:30 | 2:45 | | |

COMPRESSIVE STRENGTH

P.S.I. (24 HOURS)

| %ADDITIVE BWOC | 140 °F | 160 °F | 180 °F |
|----------------|--------|--------|-------------|
| 0 | | 3,300 | 3,7704,100 |
| 1 | | 3, 600 | 4,2504,580 |
| 2 | | 4, 000 | 4,6005, 300 |