



P-ACCL

CEMENTING SERVICE BULLETIN

11/29/18

P-ACCL (PETROCHEM-ACCELERATOR CALCIUM CHLORIDE LIQUID)

TECHNICAL DATA

P-ACCL is used for basically the same purposes as its powdered equivalent. It achieves early compressive strength and reduces thickening time. It is used for the same cementing situations as the powder. However, the maximum concentration that should be used is 0.1 gal/sk. Stronger concentrations tend to cause flash setting of the slurry.

PROPERTIES

CaCl₂ EQUIVALENCE CHART

By Weight of Cement	Equivalent	Liquid	Volume	Needed (gal/sk)
P-ACCL	25% Sol.	30% Sol.	35% Sol.	40% Sol.
1	0.36	0.29	0.24	0.20
2	0.73	0.58	0.48	0.40
3	1.09	0.87	0.72	0.60
4	1.46	1.16	0.95	0.80
5	1.82	1.45	1.19	1.00

Densities and Crystallization Temperatures of Calcium Chloride Solutions

% P-ACCL Actual	Density of Solution	Crystallization
	60 °F lb. /gal	Temp. °F
25	10.33	- 21.0
30	10.80	- 50. 8
35	11.26	+ 14.4
40	11.76	+ 55.9

TYPICAL THICKENING TIME AND COMPRESSIVE STRENGTH

Thickening time and compressive strength tests will be similar to those using dry P-ACC. Determine the equivalent concentration of dry P-ACC from above.

SAFETY

Please refer to SDS.