

DESCRIPTION

CAX-1 is a solid product in flake form used for the acceleration of thickening times in all types of Portland cement slurries. Equivalent to Dowell Schlumberger's S001 it is usually used at a concentration of up to 4%BWOC. Care must be taken when using this product at higher concentration as it can cause slurries to "flash-set". This product reduces the thickening time and increases the early strength development of the set cement.

APPLICATION

Usually added to the mix water at 2-4%BWOC. The addition of CAX-1 will increase the temperature of the mixwater and this must be taken into consideration when mixing a slurry because it can effect the thickening time. One pound of CAX-1 can be expected to increase the temperature of a barrel of slurry by about 1°F.

2%BWOC CAX-1 is considered to be the optimum concentration. The general rule is 2% CAX-1 will reduce the thickening time by half and will increase the early compressive strength by 50-75%.

PHYSICAL PROPERTIES

Appearance	White Flakes
SG	1.75
Absolute Volume	0.0687gal/lb
Bulk Volume	50lb/ft ³

PACKAGING

Usually supplied in 25kg poly lined sacks.

ADDITIONAL INFORMATION

Typical thickening time results for a 15.6ppg slurry using API class G cement;

Calcium Chloride (%BWOC)	API Casing Cementing Tests for Simulated Well Depth		
	1000ft	2000ft	4000ft
0	4:40	3:36	2:25
2.0	1:55	1:30	1:04
4.0	0:50	0:47	0:41

CAX-1 is irritating to the skin and eyes.