

CALCIUM CHLORIDE 94-97% — MINI PRILLS

FREEZE POINT SUPPRESSANT & DUST CONTROL ADDITIVE

Calcium Chloride 94-97% is anhydrous pellet form of Calcium Chloride (CaCl₂). It is the most widely used and most effective of all cement accelerators.

Cal Carb 94-97% Mini Pellets are used at concentrations of 1-3%w/w based on cement. The tables below demonstrate the effect of calcium chloride upon the thickening time and compressive strength. Values are approximate and for reference use only, based on a standard API Class G 1900 kg/m³ cement slurry.

THICKENING TIME DATA

API Casing Schedule (Hr:min)			
Calcium Chloride %	15°C	20°C	25°C
1.0%	6:00	5:36	3:50
2.0%	5:20	3:50	3:20
3.0%	2:40	2:50	1:45

COMPRESSIVE STRENGTH DATA (MPA)

Calcium Chloride %	15°C/10°C BHT		20°C/10°C		25°C/20°C	
	8Hr	24Hr	8Hr	24Hr	8Hr	24Hr
1.0%	0.10	3.25	0.20	3.00	4.45	16.10
2.0%	0.75	3.65	0.75	3.80	6.65	20.00
3.0%	1.30	4.05	1.25	4.35	7.75	22.40

MIXING & HANDLING

Always add Calcium Chloride 94-97% to water and not water to Calcium Chloride 94-97%. The mixing of calcium chloride and water generates considerable heat.

WHMIS: Not controlled

TDG: Not regulated

Packaging: 22.7kg plastic bag or 40kg paper bag

PHYSICAL PROPERTIES:

Appearance: White pellet
Bulk Density: 800-900 kg/m³

CHEMICAL PROPERTIES:

Purity: 93% min
Residual Alkali Chlorides: 5% max

