

PRODUCT DESCRIPTION

Calcium Formate in concrete is an additive without a corrosive effect on reinforcement. The primary role is to accelerate the hydration of tricalcium silicate in cement, and improve the cement strength at an early stage. The primary influence of calcium formate accelerator depends on tricalcium silicate content in cement. The lesser the tricalcium silicate added, the better the strength effect. Furthermore, it will maintain the strength of the mortar at a later stage. It has an excellent antifreezing impact.

SPECIFICATIONS AND CHARACTERISTICS

Chemical type:	Calcium Formate Construction Grade
Chemical Structure:	$\left[\begin{array}{c} \text{O} \\ \parallel \\ \text{H}-\text{C}-\text{O}^- \end{array} \right]_2 \text{Ca}^{2+}$
Calcium Formate, wt %:	98.0 min
Moisture, wt %:	0.5 max
Water Insolubles, wt %:	0.05 max
Molecular Weight:	130.12
Melting Point:	decomposes
pH of 10% Water Solution:	7.5
Bulk Density lbs / ft ³ :	72.6
Degree of substitution:	H
Appearance:	white-to-yellow crystals or crystalline powder

SOLUBILITY

Grams / 100g Water	
in 0°C	16.2
in 100°C	18.4
Grams / 100g of Methanol	
in 15°C	0.27
in 66°C	0.23

PACKAGING

- Net multi-layer paper 25kg bag with polyethylene inner liner
- 500-700 KGS packed in one pallet.
- 20 Pallets in all for 20ft FCL.

STORAGE

Store in cool and dry conditions in its original packaging due to its hygroscopic properties. Dust of APP CF is capable of exploding. Store away from heat, sparks and fires, do not expose it directly to high temperatures as it can explode due to dust.

SHELF LIFE

Shelf life - 2 years.