

Lyksor® CALCIUM NITRATE

Set Accelerating Chemical Admixture Raw Material

Product Definition

Calcium Nitrate, also called Norgessalpeter (Norwegian salt meter), is an inorganic compound with the formula $\text{Ca}(\text{NO}_3)_2$.

Use

Calcium Nitrate is used in the following conditions and applications.

- It is used as set accelerator and quality enhancer in the production of concrete and cement chemicals.
- In cold climate concreting.
- Calcium Nitrate is a very common coagulant in latex production, especially in dipping processes.
- Calcium Nitrate can be used as part of the fused salt mixtures.
- Can be used in fertilizers, explosives and pyrotechnics.
- It is used to eliminate calcium deficiency in agricultural plants.
- It can be applied in irrigation systems (especially drip irrigation) with direct soil application or foliar for the treatment and treatment of calcium deficiency in agricultural crops.

Advantages and Properties

- There are two effects when calcium nitrate is used in Set accelerating concrete admixtures. Calcium ion accelerates the formation of calcium hydroxide. This effect is also used in cold weather concreting products and some combined plasticizers.

Technical Properties

Colour and form	Yellowish Clear Liquid
Chemical base	Inorganic Material
Density (kg/ltr)	1,22 – 1,26 (at +20 °C)
pH	2.0 – 6.0
Solid Content %	40.0 ± 2.0

