

TECHNICAL DATA SHEET

CALCIUM FORMATE

PRODUCT DESCRIPTION

Calcium formate is white crystalline or powder, dissolve in water and non-toxic. Calcium formate is used as an additive in construction chemicals as cement repairs to improve the accelerating hardening time. Calcium formate is well known additive for hardening of grout, mortar, and repair product in earliest time. In order to improve the early strength, high-alumina cement and gypsum are usually used as coagulant. Calcium formate has a dual role as a new type of setting-Accelerator, which can accelerate the hardening speed of cement, improve the early strength, and avoid the slow setting speed of mortar in winter construction or low temperature and humidity.

PROPERTIES

Shorten the initial setting time and increases the workability.
Cement repairs to improve the accelerating hardening time.
Early strength gain accelerating admixture for concrete or mortars.
Normalizes the cement/mortar retardation under low temperature conditions.

APPLICATION:

Dry mix mortar
Tile adhesives
Use as additive in cement based application to improve acceleration.
It act on both setting and hardening time by accelerating the formation of tricalcium aluminate silicate.

TECHNICAL SPECIFICATION:

Item	Standard	Result
Main Content	98% Min.	98.5%
Ca Content	30.1% Min.	30.3%
Moisture	0.5% Max.	0.4%
Water insoluble	0.5% Max.	0.22%
pH value	5-7	6.8

DOSAGES:

Dosage rates will be dependent on mix design, process, types of materials and the desire effect but typically. 0.5- 1 % required to the total weight of the material.

STORAGE:

Product should be stored in tightly packed container and it should be placed at dry place away from direct sunlight in sealed packaging.

SHELF LIFE

Storage time should not exceed 12 months from receipt of delivery.

PACKING:

CALCIUM FORMATE available in 25 kg Bag

