



Technical Data Sheet

Item No.: CALCIUM FORMATE

Product Overview

Calcium formate is a white crystalline powder used as a functional additive in cement-based construction materials. It promotes cement hydration, accelerates setting and supports early strength development. The product is especially suitable for dry-mix mortar systems requiring faster hardening, improved early mechanical strength and reliable performance under low-temperature conditions.

Application performance

Desc	Lever of improvement
Setting acceleration	high
Early strength development	high
Cold weather performance	good
Cement hydration	good
Formulation compatibility	good

Recommended Applications

The products are used in: cement self-leveling compounds, repair mortar, tile adhesive, dry-mix mortar, masonry mortar and other cement-based construction materials.

Calcium formate can accelerate cement hydration and setting, improve early strength development and support more reliable hardening under low-temperature conditions. It is suitable for formulations where faster strength development and improved construction efficiency are required.

operating guide

- Mix well with other dry components in the dry-mix mortar plant.
- Dosage should be calculated according to the total weight of the formulation; the specific addition level should be determined by laboratory and application testing.
- At the construction site, the mortar containing the material should be mixed uniformly with the specified amount of water before use.

Typical Data

Desc	Range
Appearance	White crystalline powder
Calcium formate content, %	≥ 98.0
Calcium content, %	≥ 30.1
Moisture content, %	≤ 0.5
Water insoluble matter, %	≤ 0.5
pH	6.5-8.0 (10% aqueous solution)
Particle size	≥ 98% passing 80 mesh

* The data listed above are typical only and should not be taken as an indication of the quality of the product

Packing/Storage&Transportation/Shelf Life

Standard Packing

25kg/Bag

Prevent high temperature, pressure and moisture; keep the package sealed and dry.

Shelf Life

Keep in dry and cool conditions for at least 12 months. If the product is stored beyond its shelf life, tests should be carried out to determine quality before use.

product safety

Handle in accordance with good industrial hygiene practice. For detailed safety information, see the Product Safety Data Sheet.

For further information, see the Product Safety Data Sheet.

The above information and recommendations are based on our current experience and are for reference only. It does not exclude the responsibility of users to conduct their own tests to determine suitability for the intended application.