

ANTIFREEZE CONCRETE SETTING ACCELERATOR



DESCRIPTION

- Calcium nitrate salt-based set accelerating concrete admixture that accelerates the setting between cement and water, ensuring concrete to set earlier, protecting it from frost, and increasing the early strength.

INTENDED USES

- Concretes requiring early strength,
- To prevent concrete from freezing in cold weather conditions,
- Can be used in reinforced or non-reinforced concretes and in types of cement other than aluminate cement.

ADVANTAGES

- Shortens the setting time of concrete compared to concrete without additives.
- Used when workability is required in cold weather.
- Since it does not contain chloride, it does not have a corrosive effect on the reinforcement.
- Provides early strength of concrete in cold weather and protects it from frost effect.
- Thanks to a faster setting time, it saves time in places where mold usage needs to be quick

APPLICATION

- 1.0-2.5% of cement weight should be added to the concrete or mortar mixture into the mixing water. To accelerate the setting in very cold weather, 5% of the cement weight should be added to the mixing water.
- It should be added into the concrete mixture after the first 80% is added to the mixing water to achieve better performance.

CONSUMPTION

- 1.0-2.5% of the cement weight. (For example, 1.0-2.5 kg of additive should be added to 100 kg of cement).
- 5% of the cement weight to accelerate the setting in very cold weather conditions. (For example, 5.0 kg of additive should be added to 100 kg of cement).

TECHNICAL DATA

Appearance	: Liquid
Structure of the material	: Calcium nitrate tetrahydrate
Color	: Transparent
Application ground temperature	: (+5°C)-(+35°C)
Service temperature	: (-20°C)-(+80°C)
Density	: 1,20±0,04 g/mL
pH	: 5-8

- These values are obtained under laboratory conditions ((23±2) °C temperature, 50% relative humidity) and may differ due to worksite conditions.
- MYFIX YILDIZ YAPI KİMYASALLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.

WARNINGS AND RECOMMENDATIONS

- In accordance with the Occupational Health and Safety Rules, work clothes, protective gloves, goggles, and masks must be used during application.
- No additives should be added to dry aggregates.
- The indicated consumption amount is a piece of general information. Application conditions and site environment may alter. The appropriate dosage rate of the product is determined as a result of the experiments you will make with your own materials at your construction site.
- It should be protected from direct sunlight during application. Keep covered and away from extreme heat.
- Since it is a chemical, contact with the skin should be avoided. In case of contact, wash with plenty of water.
- The additive should not be mixed with other additives beforehand. The Health and Safety Data Sheet should be consulted for all information on health and safety on the setting accelerator.
- Food and beverage materials should not be brought into the application areas. It should be stored out of the reach of children.

PACKAGING

- 30 kg Plastic jerry can, or 1000 kg IBC

SHELF LIFE

- Shelf life of an unopened package stored according to the appropriate environment ((+10°C) - (+30°C)) is 12 months from the date of manufacture.

Yıldız Yapı Kimyasalları San. ve Tic. Ltd. Şti.

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