

ALPINE®

COLD WEATHER MORTAR ADDITIVE



ALPINE® is designed for producing cold weather mortar. The product combines actions of fast setting and preventing from freezing simultaneously as it accelerates the hardening of the mortar.

Applications

- Producing mortars in cold weather conditions.
- Suitable for all mortars in which setting and stiffening time is important.

Features

- Light to moderate swipe texture
- Cement dispersion agent
- Provides improved material flow and extrusion characteristics

Advantages / Benefits

- Accelerates the progress of the thermal reaction of cement.
- Accelerates the progress of the hydration reaction.
- Accelerates the setting time of mortars.
- Compatible with all types of Portland cement.
- Chloride free.

Guideline for Use

ALPINE can be added to concrete in two ways:

1. could be added to ready-mixed mortars
2. could be added to a part or whole of mixing water

Dosage

The optimum dosage of ALPINE can be determined by trials in the site.

Depending on ambient temperature a dosage of between 4.0 and 6.0 percent by weight of cement is recommended.

Note: Decrease the mixing water by the same weight as quantity as the ALPINE.

For use with other range of dosage, contact RAMKA Technical Services Department. Please contact our engineering office in case of simultaneously use of more than one admixture

Storage

should be protected from direct sunlight and frost. Keep container in the temperature range between +10°C and +35°C. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

Product Information

State	Liquid
Packaging	20KG Plastic Can / 1100KG IBC Container
Chloride Content	Nil to EN 934
Appearance / Color	Clear
Shelf Life	12 months in the original package
Storage Condition	should be protected from direct sunlight and frost. Keep container in the temperature range between +10°C and +35°C.
Specific Gravity	1.07 ±0.02 g/cm ³

Basis Of Data

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Precautions

Health and Safety

This product does not contain any hazardous substance to human health and the environment. However, it should not be swallowed and contacted with skin and eyes.

Rubber gloves, boots and goggles should be used during application. Accidental splashes on the skin should be washed with soap and water and any contaminated clothing removed.

Contact with eyes should be avoided and if any accidental contamination does occur they should be washed with copious amounts of water and medical attention sought.

Fire

ALPINE is not flammable.

Additional Information

For additional information on ALPINE admixture, consult your local sales representative.

Important Notes

The information, and, in particular, the recommendations relating to the application and end-use of RAMKA products, are given in good faith based on RAMKA's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with RAMKA's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be

inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. RAMKA reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



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