

PRODUCT DESCRIPTION

LAF™ is a liquid admixture made from high-efficient, chloride-free hardening accelerators developed in MAPEI research laboratories. LAF™ is a solution of inorganic salts dissolved in water with the capability to accelerate the hydration process of cement, thereby reducing the setting time and increasing the strength of the mix after short curing cycles. The accelerating effect of LAF™ is generally greater when the temperature of concrete or the surrounding temperature is lower than +10°C during the pouring phase.

PRODUCT FEATURES

- Ready-to-use in the proper concentration for rapid, accurate dispensing.

PRODUCT USES

LAF™ is an admixture that may be used with any type of concrete in both precast plants and mixing plants. With precast concrete, LAF™ accelerates the development of concrete's mechanical strength after short curing cycles, thus reducing the time to strip formwork and making the production cycle more efficient. In the ready-mix concrete sector, LAF™ allows concrete to be poured at a lower temperature, reduces setting times and allows finishing operations to be carried out earlier.

HOW TO USE

DOSAGE

the recommended dosage of LAF™ varies from 0.75 to 3 liters every 100 kg of cement, depending on the surrounding temperature and the mechanical properties required.

MIXING

The amount of LAF™ varies and depends on specific site requirements, characteristics of the materials, surrounding temperature during pouring and rate of acceleration required. Preliminary laboratory tests are recommended in all cases to identify the amount of product required to reach mix design specifications. LAF™ may be added to the mixing water without affecting its accelerating properties, but it must never be mixed with other admixtures. To get the best results, we recommend adding LAF™ to concrete that has already been admixed with a superplasticizer and to mix until it has completely blended with the other components

APPLICATION

- high mechanical strength after short curing cycles
- shorter steam curing cycles
- pouring of concrete when the surrounding temperature is lower than +10°C
- optimization of production cycles
- reduction of form stripping times
- mixing of reinforced concrete
- the use of flying formwork.

LIMITATIONS

- Do not add LAF™ directly in a dry cement mix, and should be added with mixing water at the end of the mixing process.



Liquid-Form-Antifreeze - LAF™

- Trials must be conducted to check the compatibility of LAF™ with material used in concrete mix.
- Reinforcement and form work must be free from water snow or ice, where required pre-heat to 0 °C minimum.

STORAGE

LAF™ admixture may be stored for 24 months in sealed containers protected from freezing weather. If exposed to direct sunlight the color of the product may change without affecting its performance characteristics.

SAFETY

LAF™ is corrosive and may cause damage to the eyes. It is harmful if swallowed. During use wear protective gloves and goggles and take the usual precautions for handling of chemicals. In case of contact with the eyes or skin wash immediately with plenty of water and seek medical attention. For further and complete information about the safe use of our product please refer to the latest version of our Safety Data Sheet.

DISCLAIMER OF LIABILITY

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase.

AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.