

ATEK-AF3000

Alkali-free liquid set accelerator for sprayed concrete

Description

ATEK is a high performance shotcrete, alkaline-free liquid accelerator for NATM construction technique. This liquid accelerator is superior to AF2000 in terms of initial setting and strengths as well as long-term strengths decline with less level of small particle dusts production thereby lowering hazardous effects to human.

Use

- Most sprayable concrete construction
- Rock wall, slope protection.
- Mine system.
- Other sprayable concrete.

Features

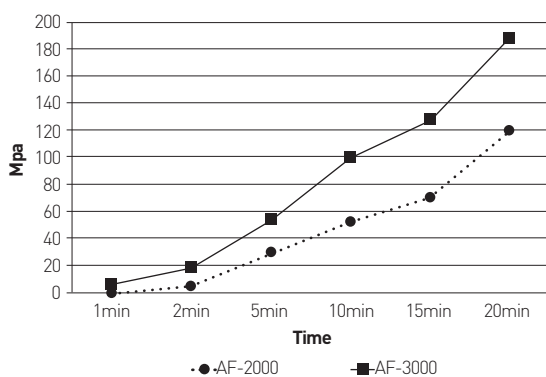
- High early strength and excellent long-term strength.
- Low dust production during application.
- Makes prompt congelation, solidification.
- Non strength loss at final age(28days)
- Low rate of rebound loss.
- Non chloride, no corrosion on reinforced rods.
- Initial setting time is quicker than other accelerators.

Technical data

Appearance	light yellow or white suspension discoloration
Specific gravity (20°C)	1.240~1.520g/ml
pH value	3±1
Na2O EQV	< 1.0%
Dosage	3-10%

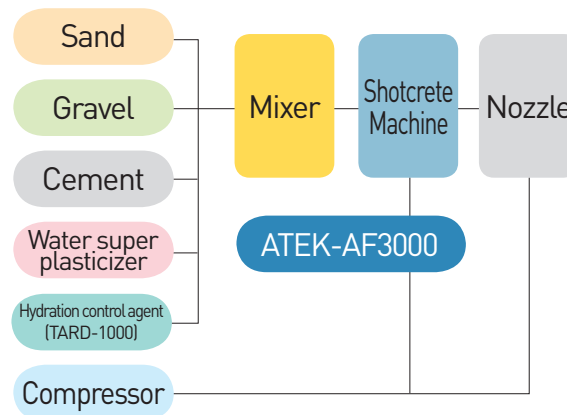
Storage

- ATEK-AF3000 has a shelf life of 6 months when stored in sealed original containers and at a temperature between 10°C and 35°C.
- The color and material properties can change due to the change of the preservation temperature, but there is no effect on the quality.



Application

- ATEK-AF3000 should be injected by compressed air.
- Injections are to be made by hose and air pressure adjusting pressure controller for continuous mixture.
- It is advisable that utilizing our superplasticizer. ATEK-PC will efficiently help lowering W/C and smooth pumping.
- Ideal concrete temperature prior to application is 15°C.
- Applicability test is recommended prior to application since the quality of cement varies depending on different types in each country.
- Discoloration may occur depending on the storage temperature but will not affect the quality.
- Freezing may occur under low temperature but will not affect the quality when thawed before use.



Caution

- Be careful not to breath it in and let it contact with the skin.
- Keep storing tank warm as viscosity gets higher when temperature is low.
- Do not mix with other accelerators.
- It is acidic, avoid direct contact with ion.
- Do not use filtering systems.
- For further information, see the Material Safety Data Sheet.

Packing

- ATEK-AF3000 is available in 200L PE drums and 1000L PE tanks.

