

Alkaline liquid set accelerator for sprayed concrete

Description

ATEK-SA is a liquid accelerator for wet shotcreting,. For NATM shotcrete system and used generally for subway construction or most kinds of tunnel constructions.

Use

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

Features

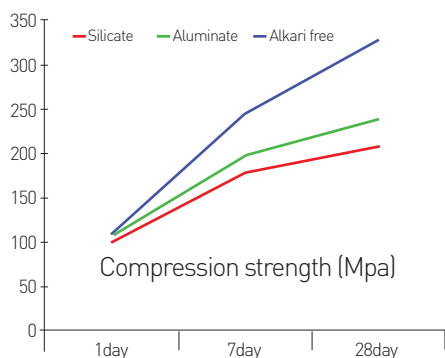
- Makes prompt congelation, solidification.
- Raises the compressive strength by use of refined raw materials.
- Low rate of rebound loss.
- Non chloride, no corrosion on reinforced rods.
- Initial setting time is quicker than other accelerators.

Technical data

Appearance	Yellowish liquid
Specific gravity (20°C)	1.310~1.590g/ml
pH value (2% water solution)	13±2
Thermal stability	-20°C to 60°C
Dosage	3-10%

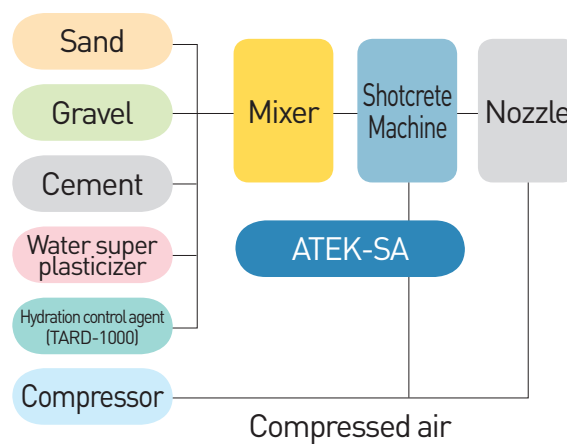
Storage

- ATEK -SA has a shelf life of 6 month when stored in sealed original containers and at a temperature between -20°C and +60°C. (Longer setting time is required when not heated.)



Application

- ATEK-SA 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.



Caution

- It is a high alkaline material.
- Avoid contact with skin.
- Keep storing tank warm as viscosity gets higher when temperature is low.
- Do not mix with other accelerators. Mixing aluminate system with silicate system will harden.
- For further information, see the Material Safety Data Sheet.

Packing

- ATEK-SA is available in 200 L STEEL or PE drums and 1000L PE tanks.

