

# UNIVER QA-3000

## Alkali-free liquid set accelerator for sprayed concrete

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### Description

UNIVER QA-3000 is a high performance alkali free liquid set accelerator for NATM shotcrete system and used generally for tunnel constructions

### Use

- Most of all sprayable concrete constructions
- 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 quick more than the other accelerators.

### Technical data

Test Items	Specification
Appearance	Light yellow or white suspension discoloration
Specific gravity (20 °C)	1.42±0.14g/ml
Ph value (50% water solution)	3 ± 1
Na <sub>2</sub> O EQV	< 1.0%
Dosage	C × 3 - 10%

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### Application

- UNIVER QA-3000 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 UNIVER - PC will efficiently help lowering W/C and smooth pumping.
- Ideal concrete temperature prior to application is 15°C.

### Caution

- Avoid contact with skin. If contacted, flush with water and get medical attention.
- Prepare pure water near the job site.
- 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.
- Use mono pump
- Do not use filtering systems

### Storage

- If stored in tightly closed original containers under the given conditions, UNIVER QA-3000 has a shelf life of 3 - 6 months.
- Store the product in closed container at a temperature between 0°C and +50°C.

### Packing

- UNIVER QA-3000 is available in 200L PE drums and 1000L IBC tanks.

The information given in this bulletin is to the best of our knowledge accurate. It is intended to be helpful but no warranty is expressed or implied regarding the accuracy of such data. This is a chemical product developed and produced for industrial use. It is strictly requested not to use this product(s) to the application to be taken into human body.

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Head office : 101-911, Chunuitechnopark, 200-1, Chunui-Dong, Wonmi-Gu, Bucheon-city, Kyunggi-Do,  
420-857, Korea  
TEL : 82-32-613-4211~2    FAX : 82-32-613-4213    C.P : 82-17-268-4122    e-mail: juno4122@jncgt.com