

ATEK-TARD1000

Cement hydration control agent for shotcrete and concrete

Description

- ATEK-TARD1000 is set retarder for concrete and cement mortar.
- ATEK-TARD1000 facilitates stabilization of concrete mixes for long periods. Without negatively strength of long age strength.

Use

- For wet type shotcrete.
- For lower heat producing concrete.
- For super high strength concrete.
- For long-distance delivery.
- For high quality concrete such as atomic power plant, highway, express railroad, subway, bridge, harbor and airport.

Features

- The concrete maintains its workability for a long time.
- Excellent retarded setting time characteristics.
- Some slump increases.
- Does not contain chloride.

Appearance	Yellowish liquid
Specific gravity (20°C)	0.960~1.240g/ml
pH value	3±1
Thermal stability	0°C to 50°C
Dosage	C×0.1-3.0%

Caution

- Store in warm place preventing from freezing. Contents should not be exposed for a long time.
- In case of contact with skin and eyes, flush immediately with plenty of water and seek medical advice.
- For further information, see the Material Safety Data Sheet.



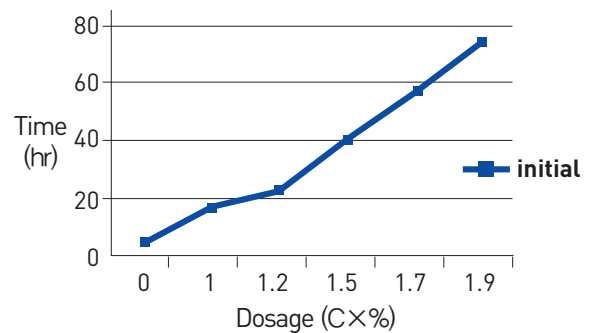
shotcrete

Application

- ATEK-TARD1000 is possible to use 0.1 – 3.0% of cement weight however it is advisable to adjust using amount through trial test.
- ATEK-TARD1000 add to the concrete mixer together with the mixing water.

Division	Unit weight(kg/m³)				Ad 1	Tard1000
	W	C	S	G		
Plain	180	310	765	975	C*0.5%	C*00%
With retarder	180	310	765	975	C*0.5%	C*1.4%

Division	Slump (cm)	Air (%)	Time of setting (hr:min)		Compressive Strength (Mpa)	
			Initial	Final	7 day	28 day
Plain	8	2.4	5:30	7:35	18	28.9
with retarder	9	2.8	40:18:00	43:25:00	20.1	29.4



Packing

- ATEK-TARD1000 is available in 200L PE drum and 1000L PE tanks.



Long distance delivery