ARSET

ARSET FRIZ 100

SET ACCELERATING ADMIXTURE

Product Definition

ARSET FRIZ 100 is a Set Accelerator and Antifreeze Concrete Additive for Concrete Pouring in Cold Weather Conditions. It accelerates the hydration of the cement and enables the concrete to set earlier..

Technical Properties

Chemical Content	Special salts
Color, Appearance	Brown liquid
pH	6-10
Density	1,13 ± 0,03 g/cm^3
Chlorine Content (%)	<0,1 (EN 480-10)
Alkaline Content (%)	<5,0(EN 480-12)
Compliance with Standards	TS EN 934-2 – Table 6

Advantages

- Accelerates setting time of concrete by accelerating hydration reaction of cement in cold weather.
- Reaches minimum compressive strength (4-5 N/mm^2) quickly to avoid freezing.
- In addition to setting concrete, it increases the early strength by increasing the strength gaining speed.
- Does not contain chloride or any other components that will result in corrosion of the reinforcement.

Area of Use

- Concrete production in cold weather
- When a sudden temperature drop is expected
- When frost effect is expected
- With all types of cement (except alumina)
- Early strength is required

Consumption Dosage

ARSET FRIZ 100 is used % 1,0 - %2,0 of total binder weight. For optimum dosage, it is recommended that you determine by experimenting with your own materials on site.

Method of Application

ARSET FRIZ 100 is added to the concrete with the mixing water or added at the end of the mixing process.

Compatibility with Other Admixtures

ARSET FRIZ 100 can be combined with the following admixtures. Laboratory tests should be carried out before use.

- Arstep / Arstep Extra Series,
- Arset Air,
- Degaset AS/AX Series,

Packing

- 30 kg plastic drum
- 250 kg drum
- 1000 kg container
- Bulk

Storage and Shelf Life

Must be stored at temperatures between +5 °C and +35°C. Under proper storing conditions, the product's shelf life is 12 months from production date if kept in original packaging unopened and undamaged. Packaged products must be shaken before use.

Warning

ARSET FRIZ 100 is added to the concrete with the mixing water or added at the end of the mixing process.

Conformity tests should be done before use.

The following issues should be taken into consideration during concrete production in cold weather:

- Instead of blended cement, cement with higher clinker rate should be used.
- Keep formwork and reinforcement free from water, snow and ice. If necessary preheat the formwork and reinforcements to eliminate water and ice.
- Isolate the formwork.
- Fresh concrete temperature should be at least 5-15°C.
- To avoid loss of heat and moisture, cover the concrete, and protect the concrete until it reaches compressive strength of 4-5 N/mm^2

Safety Measures

Use protective clothes, gloves, glasses and mask compatible with Health and Safety regulations during the application. It should not contact skin and eyes. In case it contacts to skin and eyes, rinse it with water and if swallowed ask for medical help. Food and beverage should not be allowed in the application area. It should be stored at the reach out of the children. The Safety Data Sheet (SDS) should be read for detailed information.