



# ARCEM FORCE 910

## GRINDING AID AND STRENGTH INCREASING CEMENT ADDITIVE

### Product Description

**ARCEM FORCE 910** is a cement additive that is used to increase strength and as a grinding aid for all cement types.

### Technical Properties

|                           |                               |
|---------------------------|-------------------------------|
| Chemical base             | Amine based                   |
| Color, Appearance         | Brown Liquid                  |
| pH                        | 11 – 14                       |
| Density                   | 1,06 ± 0,02 g/cm <sup>3</sup> |
| Compliance with standards | TS EN 197-1                   |

### Advantages

- Increases dispersion and grinding efficiency.
- Increases quality and strength of cement.
- Reduces water demand of cement.
- Achieves high mechanical strengths for short, mid and long terms.
- Resolves Pack Set problem and increases mill capacity.
- Grinding aids neutralizes coagulation forces.
- Provides energy savings.
- Reduces cement production costs.
- Increases cement flowability by decreasing the agglomeration of cement particles.
- Obtains desired cement fineness faster.
- Achieves self-setting of cement in the silos.

### Uses

- Grinding aid of cement
- Increases cement production capacity
- Decreases the agglomeration of cement particles
- Achieves high cement strength and quality

### Consumption Dosage

Optimum dosage of **ARCEM FORCE 910** should be determined by pre-tests conducted at the factory to achieve desired cement qualities.

### Method of Application

**ARCEM FORCE 910** is dripped directly to the clinker on the conveyor belt. The proper dosage of the additive is obtained by using suitable dosage pump.

### Compatibility with other admixtures

**ARCEM FORCE 910** added cement products can be combined with the following concrete admixtures. Laboratory tests should be carried out before use.

- Arstep/ Degaset Series
- Arset Retard
- Arset Proof
- Arset Doz

### Packaging

- 200 kg drum
- 1000 kg IBC
- Bulk

### Storage and Shelf Life

Under proper storing conditions, the product's shelf life is 12 months from production date if kept in original packaging unopened and undamaged. Direct sunlight exposure and freezing conditions should be avoided.

### Warning

Optimum additive dosage can vary according to clinker properties, cement type and the factory conditions.

### Safety Measures

Use protective clothes, gloves, glasses and mask compatible with health and safety regulations during the application. Avoid direct contact with eyes and skin during storing and application, in case of contact wash off thoroughly with soap and water, if ingested seek medical attention immediately. Store away from all foodstuffs. Keep away from children. For detailed safety information please consult the product's Safety Data Sheet.

**Responsibility:** The information given in this technical data sheet is based on the applications carried out in our field of production and latest technological developments. **YAPICHEM KİMYA SAN. A.Ş.** is only responsible for the quality of product. **YAPICHEM KİMYA SAN. A.Ş.** cannot be responsible for the results due to the wrong use of the product and/or apart from the written recommendations regarding the area of use and application method. This technical data sheet makes the prior issues void.