

# ARSET SA 41

## STRENGTH INCREASING CHEMICAL ADDITIVE

### Product Definition

**ARSET SA 41** is used as an accelerator additive in concrete chemicals. It increases early strength without adversely affecting the final strength of concrete.

### Technical Properties

Chemical base	Sulfonamin
Color, Appearance	Transparent, light yellow
pH	8,0 -12,0
Density	1,20 ± 0,03 g/cm <sup>3</sup>
Chlorine Content (%)	<0,1 (EN 480-10)
Alkaline Content (%)	<5 (EN 480-12)
Compliance with Standards	TS EN 934-2

### Advantages

- It is used with normal and super plasticizers. However, it is not recommended to be used with additives that have a retarding effect.
- Depending on the cement type and the temperature of the product, it significantly increases the early strength of the material in the first 24 hours.

### Uses

- In the production of concrete and mortar where early high strength is required
- Concrete and mortar applications in cold weather conditions
- In cement and gypsum-based products where early strength is required.

### Consumption Dosage

It is used at a ratio of 1.0-2.5% of the total mass. Optimum utilization rate should be determined according to laboratory trials.

### Method of Application

**ARSET SA 41** can be added to the mixing water or added to fresh concrete before discharge at the construction site. In this case, it will be sufficient to extend the mixing time for 1-2 minutes in order for the concrete mixture to be homogeneous.

### Compatibility with other admixtures

**ARSET SA 41** can be combined with the following admixtures. Laboratory tests should be carried out before use.

- Superplasticizer admixtures
- New generation superplasticizer admixtures

### Packing

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

### Storage and Shelf Life

Under proper storing conditions (+5 °C between +30 °C), 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

Concrete mix design and admixture dosage should be determined by laboratory tests according to the concrete class and properties.

### Safety Precautions

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.

*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 SANAYİ A.Ş. is only responsible for the quality of product. YAPICHEM KİMYA SANAYİ 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.*