

ARSET MS 40

MELAMINE SULFONATE BASED SUPERPLASTICIZER

Product Definition

ARSET MS 40 is a super plasticizer concrete admixture that increases the early and final strength of the concrete by reducing the mixed water of the concrete highly and brings high fluidity to the concrete with the same amount of water.

Technical Properties

Chemical base	Melamine Sulfonate based
Color, Appearance	Colorless or pale yellow
pH	8,00 – 12,00
Density	1,22 ± 0,03 g/cm ³
Chlorine Content (%)	<0,1 (EN 480-10)
Alkaline Content (%)	<1 (EN 480-12)
Compliance with Standards	TS EN 934-2

Advantages

- It provides fluidity without delay, especially in winter.
- It increases the early and final strength of concrete..
- It accelerates the hydration reaction of cement in cold weather and provides concrete to set early.
- Reduces mold release time.

Uses

- For concrete production where very high early strength is required.
- Concrete production in cold weather
- Where frost effect is expected
- When sudden temperature drop is expected
- Multi-reinforced concrete

Consumption Dosage

The optimum dosage of **ARSET MS 40** will be finalized as a result of the tests you will make with your own materials on the construction site considering the expected mechanical properties and flowability of the concrete. For further information please contact YAPICHEM technical sales team

Method of Application

ARSET MS 40 may be added with the mixing water or simultaneously during the mixing water is introduced to the concrete. It can also be added to the fresh ready mix concrete at the concrete plant or construction site

Compatibility with other admixtures

ARSET MS 40 can be combined with the following admixtures. Laboratory tests should be carried out before use.

- Arstep/ Arstep Extra / Degaset Series
- Arset Air
- Arset Proof

Packing

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