



Admix SMF

Product Description

This product is a high-performance retarding and high-range water-reducing admixture based on Sulphonated Melamine Formaldehyde (SMF). It enhances the workability and setting time of concrete, providing extended workability without compromising strength. Ideal for applications requiring longer transportation or pouring times, or when concrete must retain fluidity for extended periods.

Conforms to ASTM C494 Type F and BS EN 934-2 standards for high-range water-reducing admixtures.

Features and benefits

- **Improves Workability:** Enhances flowability and consistency of concrete, allowing for ease in placement.
- **Retarding Effect:** Delays initial set times, especially in high-temperature environments, extending workability time.
- **Water Reduction:** High-range water reducer, enabling up to 20-25% reduction in water content while maintaining workability.
- **Enhanced Strength:** Improves final compressive strength of concrete due to the reduction of water-to-cement ratio.
- **Compatibility:** Suitable for all types of Portland cement.
- **Low Dosage:** Provides significant performance enhancements with low dosage rates.

Typical use

- Ready-mix concrete
- Precast concrete
- High-performance concrete (HPC)
- Pumped concrete
- Concrete with long transportation times
- Concrete used in hot climates

Product Data

Packaging size	200 kg (Barrel)
Form	Liquid
Color	Light brown
Density	1.10– 1.20 g/cm ³
pH	8.0 – 9.5



Application Data

Dosage and Method of Use:

Mixing: Add the liquid admixture to the mixing water or directly into the concrete mix during batching.

Dosage: The recommended dosage is between 0.3 – 1.2% by weight of cement, depending on the specific mix design and performance requirements.

Storage

- Store in cool, dry place away from moist air for 12 months.
- Keep away from heat, ignition sources and from children.

Caution

- Clean mixing container before use. Do not use dirty tools.
- Do not exceed recommended dosage.
- Keep out of the reach of children

Health and safety

Possible Hazards: it causes irritation in case of skin contact & eye contact, flush immediately with plenty of water for at least 10 minutes and seek medical advice in case it happened.

For further information, refer to the material safety data sheet.