



Admix LSF

Product Description

Admix LSF is a liquid concrete water reducer designed to cover several concrete applications under all seasonal conditions. The effect is achieved by its absorption on the surface of the cement particles within the concrete resulting in a powerful deflocculating action.

Due to its water reducing capability, Admix LSF can also be used to reduce the permeability of concrete. As a water reducer it can be used to either increase the compressive strength of the concrete or reduce the cement content thus improving mix economics.

Admix LSF conforms to ASTM C494 Type A, EN 934 Part 2.

Features and benefits

- When used for its water reducing effect, reductions in water content in the region of 10% can be achieved normally with consequent increases in compressive strength, impermeability and durability.
- Imparts excellent consistence retention.
- Effective water reduction.
- Dosage range consideration will exhibit limited and predictable retardation characteristics.
- Aids cohesion of concrete.

Typical use

Pavements, semi-dry concrete products such as paving stones, masonry blocks, hollow cores, fresh slabs etc.. Low water cement ratio, to accelerate early strength development, for concrete floor mixes in which mechanical troweling will be used.

Product Data

Packaging size	200 lit
Form	Liquid
Colors	Dark Brown Liquid



Specific Gravity (20°C): 1.165±0.02

Total Chloride Ion Content Nil

Application Data

Dosage and Method of Use:

Admix LSF is supplied ready for use. It is a versatile, performance product that can be used in a wide variety of applications. When producing ready mixed concrete, it should be added in its supplied form with part of the batching water, after the addition of the cement. After the addition of admixture, a further mixing cycle of at least two minutes to allow the Admix LSF to efficiently disperse the mix constituents.

Addition Dose	300 ml - 800 ml per 100 kg cement or cementitious materials.
	0.30% -0.80% (v/w) by wt. of cement or cementitious materials.

The magnitude of the effect obtained with Admix LSF is governed by the quantity of product used, w/c ratio, and specific nature of the concrete and constituent materials. It is necessary therefore to assess performance under site conditions using actual materials to determine optimum dosage and effect on plastic/ hardened concrete properties, such as cohesiveness, consistence retention, set characteristics, early rate of strength gain, ultimate compressive strength and shrinkage when these are of consequence.

Compatibility

Admix LSF can be used with most types of Portland cements. It is also effective in concrete containing fly ash or ground granulated blast furnace slag.

Admix LSF is fully compatible with all UGC admixtures normally used in concrete production. Each admixture must be added separately. Individually added, each will deliver exactly the results desired. However, the performance of the material may be affected by the presence of other chemicals and we would recommend that UGC be consulted in such circumstances.

Overdosing

As dosage is increased throughout the recommended range, concrete consistence and retardation of set will also increase. These effects will be more pronounced when using cement replacements and in cold weather. In mixes containing fly ash or GGBFS, or indeed where concrete setting times are crucial such as flooring applications, a reduced dosage rate may be appropriate.



Storage

12 months (frost-free and dry, +5°C up to +35°C in original packaging).

Technical Support

The standard rules of good concreting practice for production and placing must be observed when using Admix Sahara in concrete. Refer to relevant standards. Fresh concrete must be cured properly especially at high temperatures in order to prevent plastic and drying shrinkage. Use Uniguard Bond Plus products as a curing agent or apply wet hessian.

Health and safety

Refer to Admix LSF MSDS.