

Foaming agent for manufacturing of cellular concrete

PRODUCT

Admix LSM 500 is a highly efficient liquid surface active, polymer stabilized compound specifically designed to provide a uniformed colloidal aerosol network for use in the production of foam concrete and light weight concrete.

PROPERTIES

- **Admix LSM 500** has excellent stability over a wide range of temperature and water quality. This stability means that the foam bubbles sustain themselves and support the mortar around them. The bubbles do not burst easily and hence the foamed concrete does not collapse when it is made or after it has been placed.

By using **Admix LSM 500**, a high level of air entrapment is possible; hence low density foamed concrete can be achieved without using excessive foaming agent.

- When processed through a foam generator, a solution of **Admix LSM 500** in water creates a high volume of stable white foam. The foam can easily be incorporated into any mortar mix to make foamed concrete, even when using cold water.
- **Admix LSM 500** foaming Agent may be used with all types of Portland cement and incorporated into cement only, or sand-cement mortar slurries to produce foamed concrete of every type and for every application
- It has excellent strength and thermal insulation properties. The foamed concrete produced from **Admix LSM 500** foaming Agent is ideal for a wide range of applications.
- Good water retention
- Good workability of concrete and mortar

SCOPE OF USE

Admix LSM 500 is suitable to use with various cement types in the following areas:

- Light weight concrete
- Foamed concrete
- Trowel – ready mortar
- Insulation mortar
- Filling mortar
- Polystyrene concrete

CHARACTERISTICS

| | |
|------------------|--------------|
| Appearance | Yellowish |
| Specific gravity | Approx. 1.05 |
| Chloride content | NIL |

STANDARDS

ASTM C 869

INSTRUCTIONS FOR USE

Admix LSM 500 is normally applied with foam generator but direct dosage is also possible for specific applications. The specific gravity of the mortar/foamed concrete can be adjusted by the amount of foam or foaming agent added respectively.

The foam prepared with **Admix LSM 500** using foam generator is very stable. Therefore it can be added to the premixed mortar or grout.

DOSAGE RATES

We recommend to dilute 1L of **Admix LSM 500** in 50L of water. The foam produced with a 3 bars air pressure will have a density of $50 \pm 5 \text{ Kg/m}^3$.

Consequently 1L of **Admix LSM 500** produces around 1000L of foam.

The required dosage for a specific job conditions should be determined by in situ trials.

The composition of the mortar or foamed concrete is important for the resulting compressive strength; however, it is mainly depending on the specific gravity. Lower specific gravity corresponds with lower strength and better insulation properties.

PRECAUTIONS

The maximum efficiency will be determined after a test of suitability. The amount of entrained air must be verified periodically in concrete, since it varies with the nature of the aggregate and W/C ratio.

PACKAGING

Admix LSM 500 is supplied in:

Bulk, barrels, small casks and 20 lit. drums.

HEALTH & SAFETY

In case of frost, the product recovers its properties after progressive thawing and homogenizing by agitation. In case of contact with skin or eyes, rinse thoroughly with water. If irritation persists, seek medical attention. If swallowed, do not induce vomiting and seek medical attention.

QUALITY STATEMENT

All our products are manufactured to comply with our internal QA/QC program and quality management system to ensure consistency and quality.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are

made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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