

StenMix® SUPA 102

1. Product Profile

StenMix® SUPA 102 is a ready to use modified lignosulphonate based, high range, water reducing, superplasticising admixture for Portland cement concrete.

StenMix® SUPA 102 conforms to requirements of **TS EN 934-2 Table 3** (High Range Water Reducer/Plasticizer Standard) and **ASTM C 494 Type F** (Standard Specification for Chemical Admixtures for Concrete - Water Reducing, High Range Admixtures).

StenMix® SUPA 102 is available in **200 kg** drums and **1000 kg** IBCs.

2. Uses

StenMix® SUPA 102 is suitable for production of highly flowable concrete to improve surface finish and density. It is especially suitable for use with floor slabs, foundations, ceilings, walls, beams and columns with densely packed reinforcements. It can also be used with high early strength precast and prestressed concrete or when early removal of form work is required.

StenMix® SUPA 102 substantially improves workability when added to premixed concrete. It eliminates the risk of segregation during concrete transport and placement. It reduces the amount of vibration required. It does not retard curing reaction of the concrete, so the curing time is not increased. It decreases the permeability of the concrete by decreasing amount of water required.

StenMix® SUPA 102, decreases the water requirement of the concrete by 10%-25% when dosage limits are observed.

3. Application

The recommended dosage for **StenMix® SUPA**

High Range Water Reducer / Super Plasticizer

Highlights

StenMix® SUPA 102

- Modified lignosulphonate based high range water reducing, superplasticising admixture
- It improves surface finish and density
- It improves workability
- It eliminates the risk of segregation during concrete transport and placement
- It reduces the amount of vibration required
- It decreases the permeability of the concrete by decreasing amount of water required by 10% - 25% when dosage limits are observed

102 is 0.5% to 2% based on weight of the cement. **StenMix® SUPA 102** should be added with the mixing water. Most preferably **StenMix® SUPA 102** is added to the gauging water at the plant, it should not be added to dry cement.

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Exact dosage must be determined by laboratory trial considering required workability and strength of concrete.

4. Storage

The material must be kept in dry indoor storage. Recommended storage temperature is 0 - 30°C. Stored in these conditions, the shelf life is 12 months.

5. Safety

Applicators and supervisors must read Material Safety Data Sheet (MSDS) carefully and observe the considerations written therein. Emptied packages must be handled in compliance with relevant regulations and

laws.

6. Company Liability

The information contained in this document is based on site experience of and laboratory tests done by **Stenkim**[®] and meant to give general information. It is the purchaser's responsibility to ensure applicability of products to their use. All **Stenkim**[®] products are available in specified quality and conditions. The company accepts no liability whatsoever unless the transportation, storage, application conditions and customer use are overseen by **Stenkim**[®].

Stenkim[®] reserves the right to update all information contained in this document without notice.

Technical Data

Properties	Results
Appearance - Color	Brown Liquid
Chemical Structure	Organic Polymer
Density	1.08kg/L ± 0.02kg/L
pH	5.4±1
Solid Content	26.5% ± 0.5
Chloride	< 0.1%
Freezing Point	- 5 °C
Viscosity (@ 23 °C)	44 cP ± 12 cP

Stenkim[®] reserves the right to make changes in the values in this table at any time .