

StenMix[®] NORA 120 QS

1. Product Profile

StenMix[®] NORA 120QS is a ready to use naphthalene sulphonate based, accelerating, water reducing, superplasticising admixture for Portland cement concrete.

StenMix[®] NORA 120QS 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[®] NORA 120QS is available in **35 kg**

plastic pales and **200 kg** drums and **1200 kg** tanks.

2. Uses

StenMix[®] NORA 120QS 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[®] NORA 120QS 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[®] NORA 120QS, decreases the water requirement of the concrete by 15%-30% when dosage limits are observed.

Accelerating, Water Reducer, Plasticizer

Highlights

StenMix[®] NORA 120QS

- Naphthalene Sulphonate based water reducing, plasticizer admixture
- It improves surface finish and density
- It can be used with high early strength precast and prestressed concrete
- It improves workability
- It eliminates the risk of segregation during concrete transport and placement
- It reduces the amount of vibration required
- It is compatible with polymeric plasticizer additives (lignin, naphthalene, melamine sulfonate)

3. Application

The recommended dosage for **StenMix[®] NORA 120QS**, is 0.8% to 3% based on weight of the cement.

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StenMix[®] NORA 120QS, should be added with the mixing water. Most preferably StenMix[®] NO-RA 120QS, is added to the gauging water at the plant, it should not be added to dry cement. 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 storages. 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.

Technical Data

Property	Result
Appearance - Color	Brown Liquid
Chemical Structure	Organic polymer based on naphthalene sulphonate
Density	1.20 kg/l \pm 0.05 kg/l
pH	6.50 - 8.00
Chloride	\leq 0,1 (TS EN 480-10)

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

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[®].

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