

1. Product Description

StenMix® NORA 120 QS is a liquid set accelerating and strength enhancing admixture used in concrete, mortar and cement injection work where rapid setting and early strength are required.

StenMix® NORA 120 QS conforms to requirements of EN 934-2 Table 12 (Set Accelerating Admixture Standard) and ASTM C 494 Type C (Set Accelerating Concrete Admixture Standard).

2. Uses

StenMix® NORA 120 QS can be used in all concrete, mortar and injection work to be performed in cold weather conditions and in all situations where rapid setting of concrete is required. It is also suitable for use in precast element production. **StenMix® NORA 120 QS** reduces water demand and provides rapid setting and increased strength values in the first 24 hours.

There is no reduction in final concrete strength values. **StenMix® NORA 120 QS**'s accelerating effect when added to concrete depends on the cement and certain external factors. The type and dosage of cement, concrete consistency and ambient temperature and humidity in the application environment affect the rate of setting acceleration.

3. Application

StenMix® NORA 120 QS is mixed directly with freshly prepared low slump concrete together with mixing water. **StenMix® NORA 120 QS** dosage is between 1% - 3% based on cement weight. Since it will vary depending on the type of cement used, it is recommended to conduct preliminary tests before use.

4. Safety

Applicators and supervisors must read the Material Safety Data Sheet (SDS) carefully and follow the instructions provided. Emptied packages must be handled in compliance with relevant regulations and laws. The application must be carried out by skilled workers under supervision of experts and the applicators must use all kinds of protective equipment required for the worksite and the task such as goggles, mask and gloves.

5. Storage

The material must be kept in dry indoor storage. Protect the product from freezing. Products must be stored at +5 °C to +35 °C in closed conditions protected from direct sunlight.

Shelf life is 1 year without opening the package. Low temperatures may cause crystallization of the product; in this case, the product can be used after heating and homogenizing at +20 °C. The product must be stirred thoroughly before use after prolonged storage.

6. Disclaimer

This document is provided for general information and reflects **Stenkim®**'s laboratory data and field experience at the time of publication. **Stenkim®** reserves the right to revise this information at any time without notice.

Setting Accelerator Concrete Admixture

Highlights

- Set accelerating and strength enhancing liquid concrete admixture
- Provides rapid setting and early strength in concrete, mortar and cement injection work
- Used to increase concrete setting rate in cold weather conditions
- Can be used in precast element production
- Does not reduce concrete's final strength and increases strength values in the first 24 hours
- Compatible with lignin, naphthalene, melamine sulfonate and polymeric plasticizers



Stenkim® warrants that its products conform to the stated specifications on delivery. The buyer is responsible for determining the product's suitability for the intended application and for all conditions of transport, storage, handling, and use. **Stenkim®** accepts no liability for results obtained under conditions outside its control. **Stenkim®**'s liability under this warranty is limited to replacement of non-conforming product and excludes any consequential or indirect damages.

7. Technical Data

Property	Method	Result
Appearance - Color		Dark Brown Liquid
Chemical Composition		Polynaphthalene Sulphonate
Density	EN ISO 2811-2	1.2 ± 0.03 g/cm ³
pH		6.5-8
Chloride	EN 480-10	≤0.1%
Alkali Content	EN 480-12	≤10%
Shelf Life		1 year
Packaging		220 kg drums or 1,200 kg IBCs

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

