

1. Product Description

StenMix® NORA 120 QS is a liquid set accelerating and strength enhancing admixture used in concrete, plaster and cementitious injection works where rapid setting and early strength are required. **StenMix® NORA 120 QS** conforms to the requirements of EN 934-2 Table 7 (Water Reducing/Set Accelerating Concrete Admixture) and ASTM C 494 Type E (Water Reducing and Accelerating Concrete Admixture Standard).

2. Uses

StenMix® NORA 120 QS can be used in all concrete, plaster 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. The accelerating effect of **StenMix® NORA 120 QS** 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 1-3% based on cement weight. Since the appropriate dosage may 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 Safety Data Sheet (SDS) carefully and follow the instructions provided. Emptied packages must be disposed of in compliance with relevant regulations and laws. The application must be carried out by skilled workers under the supervision of experts and the applicators must use all personal 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 enclosed storage protected from direct sunlight.

Shelf life is 1 year in unopened packaging. Low temperatures may cause crystallization of the product; in this case, the product can be used after being warmed to +20 °C and homogenized. After prolonged storage, the product must be stirred thoroughly before use.

Water-Reducing / Set-Accelerating Concrete Admixture

Highlights

- Provides rapid setting and early strength in concrete, mortar and cementitious grouting 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



6. Disclaimer

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

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 purpose and for all conditions of transport, storage, application, 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 Sulfonate
Density @20 °C	EN ISO 2811-2	1.2 ± 0.03 g/cm ³
pH	ISO 4316	7 ± 1
Chloride Content	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.

