Roka Accelerator NS

Naphthalene Sulphonate Based High Range Early Strength Water Reducer

Roka Accelerator NS is a Naphthalene Sulphonate based high range, early strength, water reducer that ensures effective water reduction, excellent flowability, and slump retention without altering the initial setting time. It is ideal for producing high-strength, flowable, and self-consolidating concrete across various applications.

Uses & Advantages:

- Provides normal to high water reduction, which enhances the strength and durability of the concrete without compromising workability.
- Maintains workability over extended periods ensuring consistent quality during placement.
- Results in efficient pumping of concrete with pump pressures reduced by as much as 50%.
- Suitable for a wide range of concrete applications, from structural elements to complex architectural forms.

Fields of Application:

Roka Accelerator NS is recommended for all kinds of concretes, especially, concretes containing pozzolanic materials such as fly ash, silica fume and slag.

Technical Information:

Color	Dark Brown
Consistency	Liquid
Density	1.16 at 20°C
Chlorides	Nil
Air Percentage	< 3%
Alkali Content	Typically, < 5 g Na_2O equivalent per liter of admixture
Storage	Should be kept at temperatures above -20°C to keep from freezing. If accidently frozen it can be restored by thawing and thoroughly remixing

Dosage:

The dosage for Roka Accelerator NS varies from 1.0 to 1.5 liters per 100 kg of the cementitious material depending on the desired usage and the concrete components being used. For high strength applications, the dosage can be increased up to 2 liters per 100 kg of cementitious material. It is recommended to conduct trial mixes to determine the required dosage for optimum performance.

Direction for Use:

For the best results, add Roka Super Accelerator NS at the end of mixing. It maintains enhanced plasticity for up to 120 minutes, depending on dosage and conditions. Roka Accelerator NS is compatible with Roka's non-chloride accelerators.

Important Note:

The information provided in this data sheet is based on ongoing development efforts and extensive field experience. While we strive to ensure the accuracy and reliability of the information, we cannot assume responsibility for any work performed using our materials, as we have no control over application methods, site conditions, and other factors. Due to ongoing research and development in our laboratories, we recommend that customers verify that this data sheet has not been replaced by a more recent publication.

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