

## 1. Product Description

**SN Flux® 519** is a polycarboxylic ether specifically designed for formulating high-range water-reducing admixtures with high slump retention.

## 2. Uses

**SN Flux® 519** is suitable for formulation of high-range water-reducing / superplasticizing admixtures. **SN Flux® 519** is a **Stenkim®** product developed for formulating low-cost pumpable concrete. It has medium-high water reduction and enhanced slump retention especially with low alkali cements.

It also has high clay tolerance. **SN Flux® 519** provides high efficiency at low dosage to formulate superplasticizers for self-compacting concrete, precast and ready-mix applications with medium-high water reduction ability and high slump retention.

## 3. Safety

Applicators and supervisors must read the Material Safety Data Sheet (SDS) carefully and follow the instructions provided. Required safety measures must be observed during the application of the material and the applicators must use protective clothing, gloves and goggles. Emptied packages must be handled in compliance with relevant regulations and laws.

## 4. Storage

Products must be stored between +5 °C and +35 °C in dry, ventilated conditions protected from direct sunlight. Under these conditions, the material will retain its properties in unopened containers for 12 months from the production date. Protect the product from freezing.

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.

## 5. 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.

**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.

## Aqueous Polycarboxylic Ether Solution for Production of Concrete Admixtures

### Highlights

- Enhanced slump retention
- High clay tolerance
- Higher ultimate strength
- Medium-high water reduction
- High segregation resistance
- Low air entrainment
- 50% Polycarboxylic ether



## 6. Technical Data

| Property             | Method        | Result                                         |
|----------------------|---------------|------------------------------------------------|
| Appearance - Color   |               | Transparent, amber to yellow                   |
| Odor                 |               | Characteristic                                 |
| Chemical Composition |               | Polycarboxylic ether polymer solution in water |
| Density              | EN ISO 2811-2 | 1.10 ± 0.02 g/cm <sup>3</sup>                  |
| pH (23 ± 1 °C)       | ISO 4316      | 5 ± 1                                          |
| Solid Content        | EN ISO 3251   | 50% ± 1%                                       |
| Viscosity            | EN ISO 3219   | 450 ± 90 cP                                    |
| Shelf Life           |               | 1 year                                         |
| Packaging            |               | Bulk and 1,100 kg IBCs                         |
| Use                  |               | High slump retention, High ultimate strength   |

**Stenkim**<sup>®</sup> reserves the right to make changes to the values in this table at any time.

