

1. Product Description

SN Flux® 500 is a polycarboxylate ether specifically designed for high-range water-reducing admixtures.

2. Uses

SN Flux® 500 is suitable for formulation of high-range water-reducing/superplasticizing admixtures. **SN Flux® 500** offers slump retention and high alkali tolerance. **SN Flux® 500** provides high efficiency at low dosage in formulating superplasticizers that deliver high water reduction and high early strength for self-compacting concrete and precast applications.

3. Safety

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

4. Storage

Products must be stored between +5 °C and +35 °C in dry, ventilated storage areas 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 being warmed to +20 °C and homogenized. After prolonged storage, the product must be stirred thoroughly before use.

5. 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.

Water-Based Polycarboxylate Ether (PCE) Solution for the Production of Concrete Admixtures

Highlights

- Suitable for the production of high-range water-reducing and superplasticizing admixtures
- High water-reducing efficiency
- Slump retention
- High alkali tolerance
- Provides formulation stability
- 48% Polycarboxylate ether



6. Technical Data

Property	Method	Result
Chemical Composition		Polycarboxylate ether polymer solution in water
Solids Content (by weight)	EN ISO 3251	48% $\pm$ 1%
pH (23 $\pm$ 1 °C)	ISO 4316	6 $\pm$ 1
Viscosity	EN ISO 3219	430 $\pm$ 50 cP
Density @20 °C	EN ISO 2811-2	1.09 $\pm$ 0.02 g/cm ³
Appearance - Color		Transparent, amber to yellow
Odor		Characteristic
Chloride Content	EN 480-10	Contains no chloride
Shelf Life		1 year
Packaging		Bulk or 1,100 kg IBCs
Use		High-range water reduction, Mild slump retention, High alkali tolerance

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

