

1. Product Description

SN Flux® 604-E is a polycarboxylate ether specifically designed for formulating high-range water-reducing admixtures with high slump retention.

2. Uses

SN Flux® 604-E is suitable for formulation of high-range water-reducing/superplasticizing admixtures. **SN Flux® 604-E** is a **Stenkim®** product developed for formulating low-cost pumpable concrete. It provides high water reduction and enhanced slump retention, especially with low-alkali cements. It also has high clay tolerance. **SN Flux® 604-E** provides high efficiency at low dosage in formulating superplasticizers that deliver high water reduction and high slump retention for self-compacting, precast and ready-mix concrete 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

- Enhanced slump retention
- High-range water reduction
- Higher ultimate strength
- Can be used for precast concrete
- Economical
- Low air entrainment
- 50% Polycarboxylate ether



6. Technical Data

Property	Method	Result
Appearance - Color		Transparent, amber to yellow
Odor		Characteristic
Chemical Composition		Polycarboxylate ether polymer solution in water
Density @20 °C	EN ISO 2811-2	1.13 ± 0.02 g/cm ³
pH (23 ± 1 °C)	ISO 4316	8 ± 1
Solids Content (by weight)	EN ISO 3251	50% ± 1%
Viscosity	EN ISO 3219	1000 ± 200 cP
Chloride Content	EN 480-10	Contains no chloride
Shelf Life		1 year
Packaging		Bulk or 1,100 kg IBCs
Use		High-range water reduction, High ultimate strength, High alkali tolerance

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

