

1. Product Description

SN Flux® 453 is a delayed-activation polycarboxylic ether designed for formulating water-reducing admixtures with enhanced slump retention.

2. Uses

SN Flux® 453 is suitable for formulation of high-range water-reducing / superplasticizing admixtures where an enhanced slump retention performance is needed. **SN Flux® 453** has a delayed activation profile. It has a low plasticizing effect right after the concrete is mixed.

Over time, more of the polymer is activated and slump loss is avoided. For higher initial slump/flow, it should be mixed with other SN Flux® grades.

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

- Delayed activation type
- Can be blended with other SN Flux® grades to provide excellent slump retention
- Can be used for precast or ready-mix concrete
- Low air entrainment
- 55% 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	1.12 ± 0.01 g/cm ³
pH (23 ± 1 °C)	ISO 4316	6 ± 1
Solid Content	EN ISO 3251	55% ± 1%
Viscosity	EN ISO 3219	900 ± 180 cP
Shelf Life		1 year
Packaging		Bulk and 1,100 kg IBCs
Use		Delayed activation for good slump retention

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

