

SN FLUX  
Series

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# Polycarboxylic Ethers

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New Generation Polycarboxylate  
Copolymer For Admixture  
Production



**Stenkim®** Chemicals, established in 1986, is a leading producer of construction chemicals with a comprehensive portfolio spanning specialized sealants, flooring systems, coatings, admixtures, concrete repair and reinforcement products, waterproofing materials, and polycarboxylates. Building on over three decades of engineering excellence and chemical innovation, we have consistently developed breakthrough solutions that outperform multinational competitors. Our commitment to innovation extends across all product lines, from our pioneering specialized construction chemicals developed over 35 years ago to our newer technologies like polycarboxylates. We are often the first and sometimes the only domestic producer of many innovative construction materials.



Our agile structure, commitment to continuous improvement, passion and drive have enabled us to grow consistently over the years. The guiding principle of **Stenkim®** is to exceed industry standards through innovative solutions. We achieve this with our expert design engineers, advanced production and R&D facilities, and proprietary technologies. The exceptional performance of **Stenkim®** products stems from rigorous quality control at every stage - from raw material selection to final product certification. This commitment to excellence extends beyond our products to encompass comprehensive technical support and collaborative relationships with all our stakeholders.



**As a leader** in the industry, we offer a diverse range of high-quality construction chemicals, backed by decades of **expertise** and innovation.

With success stories in **40 countries on five continents**, we are expanding our reach to become a globally recognized brand.



## SN FLUX SERIES POLYCARBOXYLIC ETHERS

### Product Profile

SN Flux products are raw materials for water reducing admixtures. SN Flux series are second generation polycarboxylates based on the state of the art unsaturated ether technology. They can combine good water reduction and long slump retention in a single polymer unlike older, ester based polycarboxylates. The polymer structure can be optimized for specific use scenarios, such as long distance pumping, high cement quality variation, clay in aggregates, early form removal etc. All SN Flux products are developed in house by **Stenkim®**. With high dosage efficiency, low unit costs and good compatibility with many admixture raw materials, SN Flux polymers are ideally suited for use in mid to ultra-high range water reducing admixture formulas.

### Highlights

- High water reduction combined with long slump retention
- Good dosage efficiency
- Formulation flexibility due to good compatibility with admixture raw materials
- Robust performance across cement and aggregate variations
- Selection of grades for different use scenarios
- Suitable grades for ready mix concrete and precast concrete
- Tailoring for a specific use is possible

	SN Flux 401	SN Flux 403	SN Flux 404	SN Flux 500-50	SN Flux 507	SN Flux 519	SN Flux 604-DE	SN Flux 606
Solid Content (%)	50 ± 1	50 ± 1	50 ± 1	50 ± 1	50 ± 1	50 ± 1	50 ± 1	50 ± 1
pH	6.0 ± 1.0	6.0 ± 1.0	4.5 ± 1.0	6.2 ± 1.0	4.0 ± 1.0	4.7 ± 1.0	4.0 ± 1.0	4.0 ± 1.0
Viscosity (cP)	550 ± 110	500 ± 100	400 ± 80	400 ± 80	400 ± 80	450 ± 90	350 ± 70	900 ± 180
Density (g/cm <sup>3</sup> )	1.12 ± 0.01	1.11 ± 0.01	1.10 ± 0.01	1.12 ± 0.01	1.10 ± 0.01	1.10 ± 0.01	1.11 ± 0.01	1.10 ± 0.01
Use	Delayed activation for long slump retention over 3 hours	Delayed activation for long slump retention over 2 hours	Delayed activation for long slump retention over 3 hours	Balanced water reduction/slump retention performance	High water reduction/slump retention performance	High slump retention	Efficient water reducer	Efficient water reducer
	Robust performance	Robust performance	Clay tolerance	Universal compatibility	Good mix stability	Clay tolerance	High alkali tolerance	High clay tolerance High alkali tolerance
	Low mix viscosity	Low mix viscosity	Good mix stability	Good mix stability	High ultimate strength	High SCM compatibility	High ultimate strength	High ultimate strength

## PACKAGING

SN Flux series are available in 200 kg drums, 1100 kg IBCs and bulk options such as flexi tanks, road tanks and ISO tanks.

## STORAGE

The bulk material may be stored in tanks. IBC's should be kept away from sunlight. Recommended storage temperature is 10 - 30°C. Stored in these conditions, the product life is 12 months. Low temperatures may lead to crystallization of the product. Such products can be used after heating and homogenization. High temperature storage may cause discoloration. Do not allow SN Flux to freeze.

## COMPANY LIABILITY

The information contained in this document is based on site experience of and laboratory tests done by **Stenkim®** and meant to give general information. It is the purchaser's responsibility to ensure applicability of products to their use. All **Stenkim®** products are available in specified quality and conditions. The company accepts no liability whatsoever unless the transportation, storage, application conditions and customer use are overseen by **Stenkim®**.





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