

SZ SUPER CONCENTRATE ECO 2

Organic Additive Technology

BRIEF DESCRIPTION

The patented SZ SUPER CONCENTRATE ECO 2 was developed for the prevention and control of corrosion, calcification and silting up of any kind in pipe systems. SZ SUPER CONCENTRATE ECO 2 is based on the latest Organic Additive Technology.



**Latest
technology**



**Green footprint
CO₂ neutral**



**suitable for
all materials**

Manufactured under strict international guidelines:

IATF	16949:2016
DIN	EN ISO 9001 - new version DIN EN ISO 9001:2015
Environmental management system in accordance with:	ISO 14001
Energy management system in accordance with:	ISO 50001:2011

Advantages

- 3-year guarantee and warranty *
- Cost savings for CAPEX and OPEX
- Service life and function of the systems are improved
- Protection for old and new pipe systems
- Existing corrosion is stopped reliably
- Simple handling and multi-metal inhibition
- Environmentally friendly and simple handling

* for initial filling of new systems and the specified usage guidelines

High-quality, high-tech additive concentrate for immediate and lasting corrosion and lime protection.
Can be used in all types of heating, cooling and geothermal systems.



STRICTEST REQUIREMENTS AND PRODUCTION: **MADE IN GERMANY**

What happens in the system?

SZ SUPER CONCENTRATE ECO 2 wets the metals directly on their surfaces within a very short time. Thus, no electrochemical process can take place that leads to corrosion. Our concentrate contains enough buffer in circulation, thus protecting the system from harmful attacks in a durable and stable way. In addition, the pH value is also kept at a stable level in the long term.

Our process thus follows an innovative path and sets new standards in the industry. It wets any metal surface very stably, very densely and also very quickly. The existing properties in the water initially play only a secondary role here. Even high oxygen ingress or other corrosion promoting factors do not influence the safe performance of SZ SUPER CONCENTRATE ECO 2.

Easy implementation

1. Water analysis of the current condition
2. Current condition of the installed materials
3. Determination of the total volume of water
4. Calculation of the concentration
5. Selection of a suitable location (ball valve, etc.)
in the flow or return
6. Draining of the quantity of heating/cooling water that will be replaced with concentrate
7. Filling/pumping in the concentrate during operation
8. First water sample after 24 hours to determine the concentration and water volume

Mode of operation

By mixing SZ SUPER CONCENTRATE ECO 2 with water, a protective nanofilm is formed between the inner surfaces of pipelines, all installed components and the heat transfer fluid. The resulting permanent protective film stops or prevents corrosion of individual metal parts and composite materials as well as the deposit of dirt and metal particles.

SZ SUPER CONCENTRATE ECO 2 adheres to suspended and solid matter, which is separated by the filter systems after binding. This hybrid process subsequently ensures the purification and clarification of the system water.



Use

SZ SUPER CONCENTRATE ECO 2 should be applied in a ratio of 3-5% of the total volume of the system, depending on water quality.

The high efficiency of SZ SUPER CONCENTRATE ECO 2 has been successfully tested over a long period of time in a large number of plants and a wide range of applications.

*We round off our range of high-tech products with our **SZ Cleaner Eco** and offer energy suppliers, industry, shipping, building services, manufacturers and processors of systems and components a unique portfolio for the protection, renovation and maintenance of cooling and heating systems.*

