

Hypersperse* AS110

antiscalant

- Effectively controls scales including calcium carbonate, calcium sulphate, barium sulphate, and strontium sulphate
- Compatible with all of the leading RO membranes
- May be fed neat or diluted

description and use

Hypersperse AS110 is a highly effective liquid antiscalant developed to control scale precipitates within membrane separation systems. Use of this product provides longer run times and extended element life resulting in reduced operating and capital costs. Years of use in industrial and municipal applications show excellent results in membrane separation processes including reverse osmosis.

typical applications

For maximum effectiveness, Hypersperse AS110 should be added prior to the static mixer or cartridge filter housing.

Dilution with RO permeate or DI water is recommended.

treatment and feeding requirements

Typical dosage range is between 2 and 6 ppm. A sample dosage calculation for general purposes would be as follows:

Water Technologies & Solutions fact sheet

Example: Hypersperse AS110 dosage was determined to be 4.0 ppm. If the system feed flow is 100 m³/day, at what rate must the chemical be applied?

$(\text{Feed flow m}^3/\text{day})/1000 \times (\text{ppm Hypersperse})$
= kg per day

Kg per day/Specific gravity

= litres per day of Hypersperse

Calculation:

$(100/1000) \times 4.0$ = 0.4 kg per day

$0.4 / 1.3$ = 0.31 litres per day

Contact your local SUEZ representative to define the optimal feed point and dosage rate.

packaging information

This product is available in a wide variety of packagings. Please consult your SUEZ representative for details. Precautions should be taken to prevent the liquid from freezing as it may separate. Product integrity may be restored by slowly warming and then agitating.

safety precautions

A Material Safety Data Sheet containing detailed information about this product is available on request.



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