

Fluoride Removal Agent

GRADE ZJ-F

DEFLUORIDATION

HS 3824.99

Deep defluoridation agent that holds effluent fluoride below 0.5 mg/L without a second pH adjustment.

PRODUCT DESCRIPTION

A polynuclear aluminium complex with rare-earth promoters, designed for staged defluoridation of high fluoride effluent from photovoltaic, semiconductor, plating and coal chemical plants. Sludge volume is about 40% lower than the lime precipitation route, and the reaction is fast with good settling.

KEY FEATURES

- Effluent fluoride at or below 0.5 mg/L
- Handles feed concentration from 10 to 2000 mg/L
- About 40% less sludge than lime precipitation
- Fast reaction, good settling, no secondary pH correction

TYPICAL PROPERTIES

Appearance	White to light grey powder
Active content	≥ 30%
Working pH	6.0-8.5
Treated fluoride	≤ 0.5 mg/L
Dosage guide	3-8 times fluoride concentration

APPLICATIONS

Photovoltaic and semiconductor fluoride wastewater, plating and anodising effluent, coal chemical and phosphate fertiliser wastewater, glass and ceramics.

PACKAGING

25 kg PP woven bag with PE liner; 750 kg jumbo bag; 20-22 MT per 20 ft container

STORAGE & SHELF LIFE

Powder 24 months, liquid 12 months in unopened original packing. Store below 35 °C, dry, away from sunlight.