



BATHCO

SmartDens™ AIF₃

Aluminium Fluoride, Re-Engineered Optimized density for cost-efficient smelters

A smarter approach to Aluminium Fluoride

Aluminium smelters rely on Aluminium Fluoride (AIF₃) as a critical input for an efficient electrolytic process.

But traditional supply forces a trade-off between two extremes:

LOW BULK DENSITY (LBD)

Higher Purity AIF₃

Lower cost but often unsuitable due to poor flowability and handling difficulties.

HIGH BULK DENSITY (HBD)

Relatively Lower Purity AIF₃

Higher cost, but preferred for handling at smelters due to good flowability.

OUR SOLUTION

SmartDens™ AIF₃ ("SBD") offers a new approach. Instead of a single standard option, we deliver Density Optimized AIF₃ engineered to align with smelter requirements – ensuring technical suitability at the lowest possible cost.



WHY BATHCO SMARTDENS™ AIF₃?

ENGINEERED FOR PERFORMANCE

A controlled process delivers a stable and optimum bulk density within the ideal range accepted by smelters.

OPERATIONAL RELIABILITY

Maintains excellent flowability and dosing properties in potrooms.

COST EFFICIENCY

Avoids overpaying for density that adds no technical advantage.

QUALITY ASSURANCE

Produced under strict BATHCO specifications, meeting global smelter standards.

THE NEXT EVOLUTION IN AlF_3 SUPPLY

This isn't just about choosing between LBD and HBD. Bathco is redefining the market with the launch of a whole new category.

Bathco SmartDens™ AlF_3 – tailored to what smelters really need.

Engineered to combine flowability, stability, and cost-effectiveness - advantages traditional products cannot deliver together.

TRUSTED WORLDWIDE IN ALUMINIUM

With global reach and a proven track record across the Aluminium industry, Bathco combines commercial rigor and technical expertise to deliver SmartDens™ AlF_3 – cost-efficient and reliable in every smelter.

QUALITY GUARANTEE

EVERY SHIPMENT IS GUARANTEED TO BE:



ENGINEERED AND TAILOR-MADE
TO YOUR NEEDS



PRODUCED AND QUALITY
CONTROLLED TO YOUR
SPECIFICATIONS



DELIVERED WITH FULL
TECHNICAL SUPPORT

SUMMARY

With SmartDens™ AlF_3 , smelters gain a cost-efficient, technically reliable alternative that bridges the gap between LBD and HBD.

BATHCO

Delivering what smelters really need

Request a quote: alf3@bathco.ch
www.bathco.ch/sbd/