

Primary Lead Production
FLUBOR® Process and LEADBOR® Process

Title: Fluoborate Technology: A New Challenging Way for Primary and Secondary Lead Processing

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Abstract: The increasing environmental pressure exercised during the last 20 years on both primary and secondary lead facilities has stimulated research for new, more environmentally friendly technologies, such as hydrometallurgy and electrochemistry, as an alternative to pyrometallurgy. The introduction of Fluoborate Technology in primary and secondary lead operations can eliminate all the drawbacks present in lead production. After about ten years of intensive research from bench to demonstration plants performed by Engitec in co-operation with the most important world lead producers, this technology is ready for commercialisation. The paper describes the possibilities of Fluoborate Technology for different lead bearing materials like primary lead concentrates, high impurity lead bullion and lead paste from scrap batteries.