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Study of Zn-Pb ore tailings and their potential in cement technology

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HIGHLIGHTS

The synthesis of sulfobelite clinkers is incorporating mining rejects.

Clinkers are composed of $C_4A_3\check{S}$, C_2S, and C_4AF as predicted by initial formulations.

Mechanical strength reached high values after 28 days curing, superior to 15 MPa.

Pb, Zn and Cu heavy metals immobilization was superior to 75% in produced mortars.