

At present, tailings processing methods generally have three directions: tailings reprocessing, tailings dewatering and tailings filling goaf. Later we will explain these three methods separately.

This highlights the importance of further research into the combined use of mine tailings powder and sand in UHPC to develop eco-friendly designs with high recycling rates of tailings.

Therefore, the study of the mechanical properties and acoustic emission (AE) characteristics of the destruction process of fiber-reinforced superfine tailings cemented backfill ...

In this experiment, cemented paste backfill (CPB) and polyacrylonitrile fiber tailings cemented backfill (P-FTCB) specimens with 68% concentration and 1:6, 1:8, 1:10 and 1:12 ash-sand ...

We support tailings system startup and operations with cost estimating, tailings placement and dam construction, construction management, equipment startup, instrumentation and surveillance ...

With its extensive process expertise, Metso offers cutting edge solutions for any tailings processing and repurposing needs, while reducing water use, environmental impact, risks, and costs.

Based on the cumulative energy of AE, the damage ontology model of CTB was developed. As shown by the study's findings, adding various fibers can greatly enhance the filler ...

Wang et al. investigated the physical and flow properties of fiber-reinforced tailings backfill, underscoring that the ratio of fiber height to diameter influences the compressive strength of ...

We carry out extensive testing and analysis to identify ways to optimise tailings processing methods, reduce the amount of tailings generated and ensure it's a more manageable product."

Using this information as a foundation, this study suggests conducting uniaxial compression AE experiments on fillers doped with various fibers to examine how these fibers affect ...



Broadcast-grade fiber tailings processing

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