

Case study

Enhancing Durability and Efficiency in a Concrete Plant

Challenge:

A concrete plant located in Austria encountered issues with a transition chute constructed from Hardox material, which connected the Aggregate scale to the mixer. The chute experienced rapid wear and adhesive product buildup, disrupting operations and requiring frequent maintenance.

Solution:

To address these challenges, the plant implemented a solution by replacing the worn Hardox chute with a 6mm Tecthan™ plate with perforated metal inlay for easy installation and replacement. This strategic upgrade resulted in remarkable improvements, with minimal wear observed even after 33 months of continuous operation and approximately 200,000 cubic meters of material processed.

Impact:

The adoption of the Tecthan™ plate not only significantly reduced downtime associated with cleaning and maintenance but also enhanced overall productivity. By mitigating wear and minimizing product adhesion, the plant achieved substantial cost savings over the long term. This case study exemplifies how strategic material selection and engineering solutions can optimize performance, reliability, and efficiency in industrial settings.

*After 33 month/200,000 m3 processed, hardly
any abrasion detectable (Hardox service life
approx. 30,000 m3)
Mixing master*

