

Industry:
Mineral Processing
Plant:
Rotary Calciner
Lining System:
K-BAS lining system

K-BAS LINED ROTARY CALCINER

Key Benefits

- Improved wear resistance
- Increased operational uptime
- Reduction in maintenance costs
- Protection against chemical attack
- Low coefficient of friction



Problem: A UK manufacturer of Sodium Bicarbonate and Calcium Chloride was suffering from various problems within the calciner used to process the raw materials. The problems experienced were excessive wear due to the rotating motion of the conditioner and the abrasiveness of the products conveyed, the amount of chemical degradation on the existing rubber and chemical resistance linings due to concentration levels of sulphuric acid and finally continual product build up due to the high moisture content of the raw materials binding to the rough surface of the existing linings.

Solution: Following similar success within the chemical industry, Kingfisher's engineers recommended replacing the existing system with their very own K-BAS ceramic lining system which would eliminate the problems the customer was suffering from. This led to a turnkey project to remove the existing lining, shot blast the steel substrate, apply a chemical resistance membrane and then install our 30mm thick K-BAS ceramic lining system being fully bedded and jointed using a furane based adhesive system.

Benefit: The calciner now operates over a 12 month cycle where the need to shut the plant down for unscheduled repair and clean down of the calciner is non-existent.

Protecting Industry Worldwide