

Industry:

Wood processing

Plant:

Black Dust Conveying
Pipework

Lining System:

K-ZAS Ceramic Lining

K-ZAS LINED BLACK DUST CONVEYING PIPEWORK

Key Benefits:

- ✓ Improved wear resistance
- ✓ Increased operational uptime
- ✓ Reduction in maintenance costs
- ✓ Lining system can be replaced
- ✓ Reduced environmental & safety risk

Problem: Due to the amount of contamination now present within recycled wood streams that are now being used more frequently, this is manifesting itself into a major problem when pneumatically conveying processed wood leading to pipe perforations and eventual operational failure throughout the plant.

Solution: Having had success when handling both recycled glass and silica sand in both the recycling and mineral processing industries, we were confident in eliminating this continual operational concern as well as a potential environmental and safety hazard. Having consulted with the plant engineers and having identified their desire for a trouble free system, we set about re-designing the pneumatic conveying pipeline incorporating our K-ZAS fused zirconium ceramic lining system.

Benefits: Based on our experiences elsewhere, we expected this system to perform the traditional method of protecting pipes such as using concrete jackets around the OD of the pipes or by incorporating a removable wear back by a factor of 4 to 5 times service longevity. Results to date have proven our claims and the system is operating with a far greater degree of wear resistance and customer confidence leading to continual operation and elimination in continual maintenance costs.

Protecting Industry Worldwide

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