

Industry:
Wood processing

Plant:
Air-sifter

Lining System:
K-ALOX Ceramic lining

K-ALOX LINED AIR-SIFTER

Key Benefits:

- ✓ Improved wear resistance
- ✓ Increased operational uptime
- ✓ Eliminates confined space working
- ✓ Protects the environment

Problem: The greater dependency of recycled wood to cater for the cost and availability of virgin lumber is causing many problems within wood processing plants. By nature of the recycled material coming from varied sources where controls of processing are not as stringent, manufacturers end up with a material which is highly contaminated leading to excessive wear and tear which is being experienced by processors in all forms of particleboard, MDF and OSB plants.

This is resulting in high attrition rates in the equipment that is being used to grade the wood and has resulted in increased wear of the product separating cyclones on an air sifter plant within the UK.

Solution: Having inspected the cyclones, it was evident that the steel structure was beyond economical repair, therefore we undertook a site survey where the cyclones were measured, then designed incorporating our 92P K-ALOC ceramic lining system. This system was supplied in a tile form and supplied 6mm thick which was adhered to the steel structure using a high strength epoxy resin.

Benefit: The system has been in service now for 3 years handling thousands of tons of recycled wood and during a recent inspection using NDT ultrasonic thickness meters, the report showed that the lining system has lost less than 0.2mm throughout the system.



Protecting Industry Worldwide

Cradley Business Park
Overend Road
Cradley Heath
West Midlands
United Kingdom
B64 7DW

T +44 (0)1384 410777
F +44 (0)1384 410877
E enquiries@kingfisher-industrial.com
www.kingfisher-industrial.com

The information contained on this product Information sheet is to be used as guidance only. The advice and technical data given is done so in good faith and does not constitute any warranty or guarantee on product performance or Suitability. We hereby reserve the right to change the technical information herewith without Notification or prior agreement