

Industry:
Wood processing

Plant:
Fan Casing

Lining System:
K-ALOX Ceramic lining

K-ALOX LINED FAN CASING

Key Benefits:

- ✓ Prevents continual maintenance
- ✓ Improves fan efficiency
- ✓ Preserves structural integrity
- ✓ Eliminates expensive replacement costs

Problem: An industry producer of particleboard approached us with regard to a continual problem of having to replace their sanding extraction fan casing. The OEM had originally and subsequently supplied these manufactured from a grade of hard faced plate, which only lasted 6 months.

Solution: Upon review of the working criteria associated to the application we identified that the majority of dust being conveyed was poor quality due to the amount of fine particle contamination picked up through the primary harvesting and lay up phase of the process. To counter this problem we redesigned the fan case making it larger by 50mm across the diameter to cater for our 25mm thick 92P K-ALOX ceramic lining system. This system offers far greater degree of wear resistance and can counter wear associated with direct and sliding induced abrasion.

Benefit: After two years of production we finally had the opportunity to inspect the lining and were pleased to see that the existing K-ALOX system had only lost 20% of its original thickness. The system is expected to last another 4 years before the need of relining is necessary. Likewise, as the system has a smooth surface with a low co-efficient of friction, the problem of material build up is a thing of the past.



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