

Industry:
Wood Processing
Plant:
Lay up Resin Blender
Lining System:
K-ALOX Ceramic System

K-ALOX LINED PARTICLE BOARD BLENDER

Key Benefits

- ✓ Improved wear resistance
- ✓ Maintain blending capacity
- ✓ Prevention of material build-up
- ✓ Cheaper than replacing internal liner
- ✓ Out perform traditional liners by a factor of 6 to 8 times

Successes within the wood processing industry led to Kingfisher being awarded the contract to protect a primary blending unit. Using our 12 mm thick 92P K-ALOX ceramic liners we have lined the internal substrate of the blender ensuring enhanced performance and plant longevity.

Traditionally, these machines are fabricated incorporating a 12mm thick stainless steel inner wearing surface that can last anything up to 2 to 3 years depending on the operating regime of the machine. Having lined similar units for other processors, the choice of use of our 92P KALOX ceramic liners have given a greater degree of wear resistance by a factor of 6 to 8 times, that of the stainless steel inner shroud. With an extremely low coefficient of friction, the 92P K-ALOX liners maintain the necessary internal working temperature determined by the outer water jacket cooling system as the system has no thermal insulation properties; hence the cooling temperature is not compromised by the additional layer of the protective surface.

These systems have been in place for over 10 years and upon recent inspection using NDT ultrasonic thickness testing equipment, the surface of the 92P K-ALOX lining has only lost 3mm over this operating cycle and it is envisaged that the system will be fit for purpose for another 10 years before the need for relining is required. As and when this relining activity is required, we can undertake the refurbishment process in position by carrying all mechanical, surface preparation and relining activities on site utilising our own skilled operatives without having to remove the machine from its mountings, thus resulting in minimal downtime of operation and reduced refurbishment costs.

Protecting Industry Worldwide

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