

Industry:
Construction products

Plant:
Mixer Machine

Lining System
K-ALOX lining system

K-ALOX LINED CONCRETE PAN MACHINE



Key Benefits

- ✓ Improved wear resistance
- ✓ Increased operational uptime
- ✓ Reduction in maintenance Costs
- ✓ Lining system can be replaced

Problem: A well-established manufacturer of concrete building products had experienced constant wear issues with their wet pan mixers, a key piece of equipment used to formulate material together before it is formed into products and supplied into the construction sector. As a result of the different grades of materials formulated within the pan mixers, the cast liners used to protect the internal surfaces were drastically deteriorating over time, thus causing material to bridge and build-up. On site engineers were having to manually hammer out the material that had cornered up around the paddles and engineers were finding it difficult to keep the pan mixers clear of material. Often, workers were having to access the mixers to break and clean out excess material using mechanical tools. In some instances the structure of the mixers had worn through and they were having to repair the inner perforated parts of the mixers by re-welding onto the structure.

Solution: Following an assessment by Kingfisher's site engineers, it was advised the mixers should be relined using Kingfisher's K-ALOX wear resistant system, this system comprises of beneficial characteristics such as protection against high rotational induced abrasion where surfaces subject to high levels of deterioration occur.

Benefit: A recent site visit was made to the plant to assess the pan mixers and the K-ALOX interior lining system has now outperformed the previous system by a factor of 3 to 1. The K-ALOX wear protection system installed both on the side walls and base sections is still in good condition and will continue to perform for many more operational cycles.

Protecting Industry Worldwide

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