

Industry:

Construction/Building
products

Plant:

Building Products

Lining System:

K-PLAS

K-PLAS LINED LOADING BUCKET

Key Benefits:

- ✓ Reduce material build-up & carry-back
- ✓ Improve process efficiency.
- ✓ Eliminate cost to repair.

Problem: Loading and moving abrasive materials like sand, cement and clay at a building product site often results in material accumulation on essential equipment. In a specific case, the front-loading bucket was handling a clay type material, known for its sticky nature. When the loading shovel bucket was emptied a large amount of the clay remained built up inside the bucket and the loading shovel bucket failed to fully discharge. The bucket required several hours of manual cleaning by plant engineers each day and also resulted in damaged equipment as the loading shovel operators tried to fully discharge the loads.

Solution: The Kingfisher technical team conducted a thorough inspection of the loading shovel buckets and proposed a practical solution. Kingfisher recommended the installation of a fully tailored K-PLAS inner lining system to prevent material adhesion inside the bucket. The K-PLAS polymer lining solution, with its low friction characteristics, effectively prevents material from sticking to the bucket's surface, thereby minimising material build-up and the requirement for frequent manual cleaning.

Benefits: Opting for our retrofit wear-resistant lining solutions not only helps in the maintenance of existing process plant and equipment, crucial for keeping the plant operational, but also proves to be a cost-effective measure.



Protecting Industry Worldwide