

PROK

ROXDUR wear plates



» ROXDUR is a wear plate product that utilises the latest technology to provide a long lasting and durable wear solution suitable for heavy duty and medium duty applications.

It uses a unique composite material that combines extreme hardness to minimise abrasive wear and iron matrix technology to absorb impact.

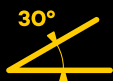
KEY STATS



5000 tonnes per hour



8.5m drop height



Impact angle 30 degrees

THE CHALLENGE

A key customer located in South East Asia was having issues with poor performing wear liners in their chutes.

The customer site operates 20 hours a day with a production rate of 5000 tonnes per hour. Material sizes ranges from 139-152mm and 11-19kWh/ton. Hardness of material 0.24-0.3kg/ton (0.048kg/kWh).

Existing chute liners were experiencing very high levels of wear and maintenance teams were forced to conduct regular change outs. This led to untimely downtime and interruptions to site production.

THE SOLUTION

The customer decided to invest in ROXDUR wear liners to replace the existing 100mm thick liners. 50mm thick ROXDUR liners were installed in the chute.

Existing liners were lasting 2 weeks whilst ROXDUR is still in operation after 19 weeks and is showing minimal amounts of wear.

ROXDUR had over 90% more wear life than the competitor product, and still going.

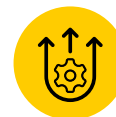
OUTCOMES



Reduced
maintenance
costs



Significantly
increased the time
between shutdowns



Increased
production

Quality Conveyor Equipment

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