

CASE STUDY: K-Snap-Loc® Dust Seal System

Kinder Australia product: K-Snap-Loc® Dust Seal System

Product category: Conveyor Skirting & Transfer

Location: Power Station, Traralgon Victoria

Conveyed materials: Brown coal
Conveyed belt width: 1400mm

Installation date:

Conveyed belt speed: 4.9 metres per second

Rate: 1800 tonnes per hour, emergency capacity rate 2500tonnes per hour

First trialled in July 2012 with a 9m length, then 18m length installed in

October 2012 and still in service.

Previous problem: "As the plant was naturally ageing, significant wear was experienced in

all impact areas. The life expectancy of the standard skirt rubber was

operations was the increasing evidence of wear to the actual belt."

on average around 2 months. Of greater concern to general

Resolution: "The installation of the K-Snap-Loc® Dust Seal has tripled the wear life

compared to that of standard skirt rubber. Encouragingly there have

been no further signs of wear to the belt itself.

Another improvement from the installation has been to our permit system for access, which has been reduced in time considerably since

we do not have to go inside the conveyor to fit the K-Snap-Loc® skirts.

This has saved us 4 hours in valuable maintenance time."

Date of first service inspection: "We inspect our belts weekly and do a 3 day outage every 3 months as

a routine so we have regular inspections. Now our skirt rubbers are

very easy to inspect safely with the plant in service."



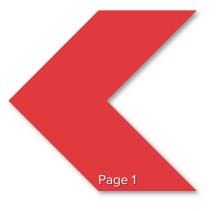
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Further application:

"We have just installed the K-Snap-Loc® Dust Seal skirting to one of our reversing shuttle conveyors. The changeover from our system to the K-Snap-Loc® took 2 full days but it only took about 30 minutes to actually snap the skirt in once the Unistrut was fully welded.

This system has been in place for one week running 24/7 and we have not experienced any change whatsoever in belt tracking, extra heat generated or anything that would suggest that there is any difference between the 2 systems in running. There is considerably less spill.

Overall I am very happy with the product and would envisage that by the end of 2014 all our belts would have the K-Snap-Loc® Dust Seal System skirting installed."



Photo taken February 2013 of K-Snap-Loc® Dust Seal System in place on slider beds at Power Station, Traralgon, Victoria.



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