

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

Product:	K-Snap-Loc® Dust Seal
Product category:	System® Conveyor Skirting &
Location:	Transfer Port Pirie Wharf, South
Conveyed material:	Australia Zinc and lead
Installation date:	concentrates June 2011

Previous problem:

Port Pirie is situated 223km north of Adelaide. The area houses one of the largest smelters in the world. Adjacent there is a dedicated port facility where concentrates are received, with final products despatched by road and rail, exporting 20 million tonnes per annum of large quantities of zinc concentrates and leads.

Photo on site of the Port Pirie bulk handling systems.



The area requires a green field approach to all aspects of bulk logistics at their facilities and so the existing clamped rubber skirting was not only causing wear and tear damage to the conveyor belt, but it was also creating a significant amount of bulk materials spillage.

“Not only were we not operating as efficiently as possible, but the existing rubber clamp needed constant manual adjustment and taking into account the size of our port operations, it was becoming a very frustrating and time-consuming task”.



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Resolution:

The team of sales engineers at Kinder Australia recommended the installation of the engineered polyurethane Ester G96A dust seal system, K-Snap-Loc®.

"We are extremely delighted with the product. The lack of wear on the belt conveyor is very noticeable, which prolongs the life of belt itself. But most importantly the amount of waste from unnecessary spillage has been minimised.

Also the K-Snap Loc® was surprisingly very simple to install and being lighter than the rubber, it made our job much easier."



Detail photo of K-Snap-Loc Dust Seal System installed.



Full width photo of Port Pirie conveyor belt with polyurethane skirting K-Snap-Loc Dust Seal System.

