CASE STUDY: K-Superskirt® Engineered Polyurethane

Product:	K-Superskirt® Engineered Polyurethane
Product category:	Conveyor Skirting & Sealing
Location:	South-West Victoria
Conveyed materials:	Basalt Hard Rock
Size of materials:	>150mm to 20mm
Conveyor belt width:	750mm
Conveyor length:	21m
Installation date:	April 2012

Previous problem:

Our independent quarry customer was established in 1988 and has since built up a strong profile in south-west Victoria as a producer of crushed basalt hard rock materials. The basalt rock extracted from the quarry site has less than 20% quartz and has no silica content but as an aphanitic igneous rock it has fine grain potential.

Whilst the basalt is not the most abrasive rock, it still achieves a rating of 23 on the Los Angeles abrasion scale. So there is significant scuffing and wear to maintain on a regular basis. Previously our customer had used a high grade rubber skirting to contain the crushed rock at the transfer points. But with the high level of abrasion being experienced, **the rubber skirting had to be changed out every 2 weeks**, creating 2 hours of scheduled downtime each fortnight to install the skirting, in awkward places with very limited space for movement. This was a waste of manpower as well as a waste of valuable production time.

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Issue: 202102

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Resolution:

K-Superskirt® Engineered Polyurethane Key Benefits:

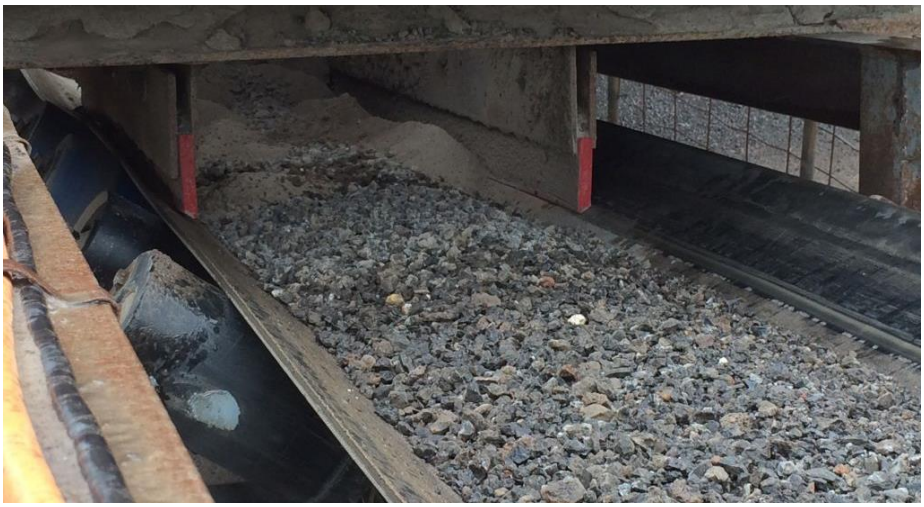
- Field tested with 8-10 times the wear life over quality rubber skirting
- Longer life skirting translates into lower maintenance and labour savings
- Nonporous, will not collect fines or other materials than can damage your belt
- 60% less coefficient of friction than rubber
- Saves energy as reduces drag on motor horsepower used

The best option, after consultation and research, was to install K-Superskirt® Engineered Polyurethane at the transfer points.

"I'm so pleased that I made the decision to upgrade to K-Superskirt. Firstly, the extra expenditure was limited to just the K-Superskirt skirting product so that was excellent. Installation was very simple. None of the existing frames needed any adjustments so no extra modification costs were incurred

Secondly, it has far outperformed the old rubber skirting – instead of lasting just 2 weeks, I think the K-Superskirt has lasted more than 4-5 months. So the initial investment has definitely saved me money overall.

I'm delighted that we don't waste so much time on the maintenance of the conveyor and its parts. The K-Superskirt reliably does its job and we can focus on production."



Close-up photo of the K-Superskirt ® Engineered Polyurethane installed on one of the conveyors at the transfer point.

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