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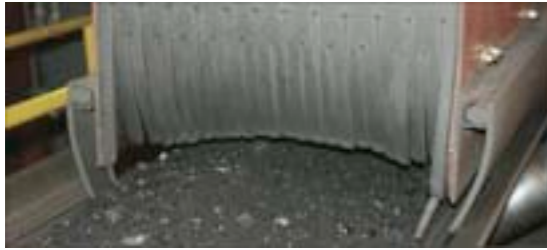
Kinder and Co K-Superskirt - Next Generation Conveyor Skirting



Kinder and Co won the coveted Supplier of the Year Award in the ABHA Awards 2008

Corporate Profile Established in 1985, Kinder and Co is a privately owned, family operated business serving the Bulk Materials Handling Industry in Australia and the Asia Pacific Region. Led by its visionary leader, Neil Kinder, the company today has grown to become a leading independent supplier and manufacturer of end-to-end solutions for the mining and manufacturing industry in Australia. Kinder and Co's influence and impact in the industry was recognised when they became the winner of the Supplier of the Year Award in the Australian Bulk Handling Awards 2008.





The conveyor belt skirting goes through some of the harshest challenges imaginable, including dust, clay, iron ore and hazardous chemicals.

Introducing the K-Superskirt

Smooth, strong and durable, Kinder & Co's K-Superskirt is the conveyor skirting solution of the next generation. As the mining and bulk handling industry advances and progresses, a few key points have emerged as critical factors that make or break a profitable and safe operation. These factors include :

- Production or performance rates
- Maintenance and running costs
- Health and safety criteria and quotient
- Risk management (including current and future litigation)
- Downtime due to repairs and maintenance
- Production cycles and run times
- Efficiency and wastage of materials and supplies
- Costs incurred in maintenance scheduling and administration



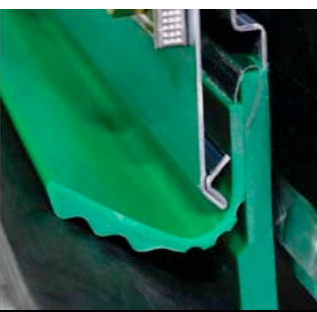


Smooth, strong and durable -
Kinder & Co's K-Superskirt is the
next generation solution for the
bulk handling industry

K-Superskirt Features and Advantages

Designed to seal conveyor transfer points in many different environments, the K-Superskirt stands up to the harshest challenges and successfully redefines performance and expectations. Some of the key features and advantages provided by the K-Superskirt include :

- Made from high quality, high performance Argonics Polyurethane
- Provides up to 10 times better wear life
- High tensile strength
- Low Coefficient of Friction
- Belt friendly
- Pre-existing mounts and setup friendly
- High abrasion resistant
- High durability and lasts longer
- Effective sealing and non-porous
- Chemical resistant



K-SUPERSKIRT
Next Generation Conveyour Belt Skirting



The K-Superskirt is able to provide up to 10 times better wear life than its predecessor, which adds up to longer run times, better profitability, less downtime, less exposure to maintenance and repair risk to personnel and administrative time spent organising repairs and maintenance checks.

K-Superskirt Benefits

The key benefits derived from the K-Superskirt include :

- High performance, quality and durability means less downtime and longer production runs and effectiveness. Less downtime and replacements add up to less risk of injury for staff and maintenance crew, and less administrative time to organise repairs. High tensile strength means higher durability and resistance to damage and wear and tear in the harshest environments, keeping the production going. Low coefficient of friction puts less stress on the other parts of the conveyor, for example the belt and less drag on the motor. Belt and legacy setup friendliness means that they can replace older systems with lower overheads and faster replacement times. Effective sealing and non-porous ensure that the skirting lasts longer as it will not collect fines or other damaging materials and provide more effective seals. Chemical resistance ensures adaptability, durability in many environments, from wet clay to iron ore.

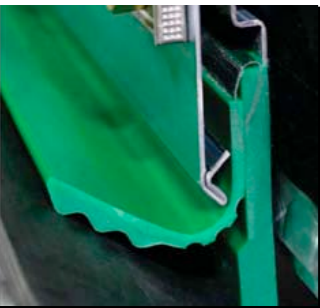




Because of its versatility and ease of setup, the K-Superskirt is very cost-effective to set up even with older systems and can be implemented quickly.

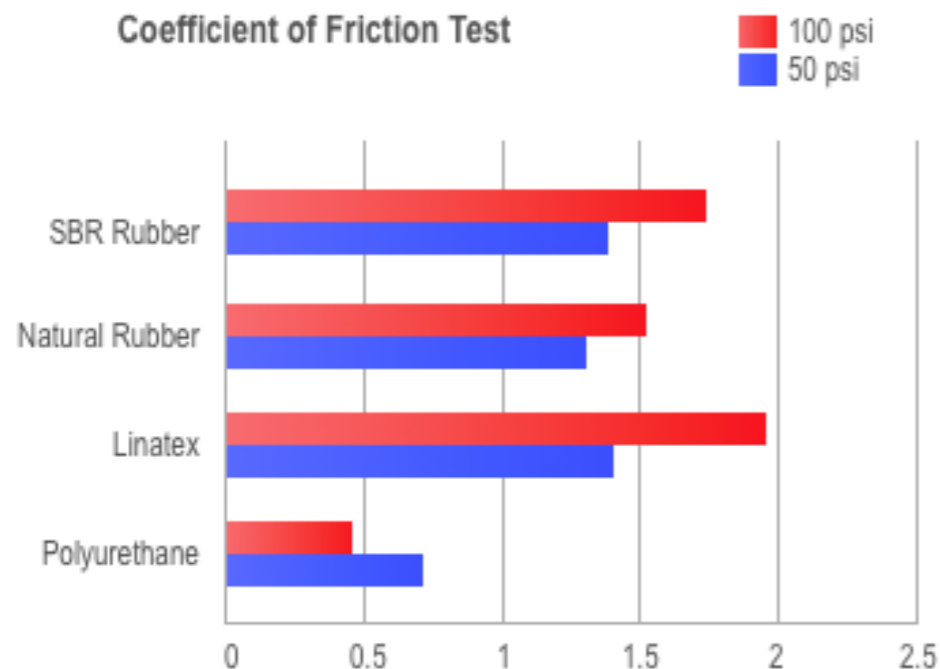
K-Superskirt vs other materials

- The lack of understanding within the bulk handling industry in distinguishing the technical differences between polyurethanes and polyethylene, natural rubber etc in their use in skirting has prompted us to conduct our own research to discover the most economical and practical material available globally. Ruling out hard and/or abrasive materials, we ended up with a list of only 4 materials to assess and compare. SBR Rubber 60 DURO SHORE A (most commonly used material in Australia) Natural Rubber 60 DURO SHORE A Linatex Natural Rubber 60 DURO SHORE A Argonics Polyurethane 69 DURO SHORE A



K-Superskirt vs other materials - Coefficient of Friction

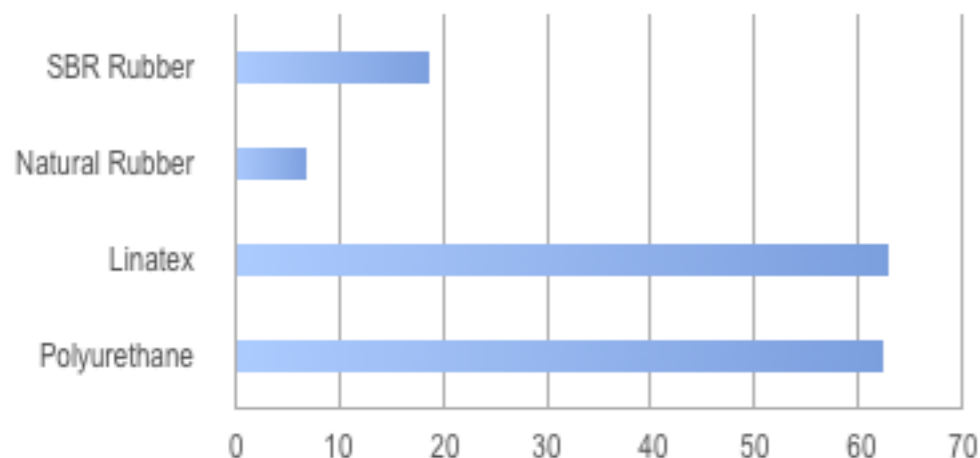
The first and most important test was to assess the material's Coefficient of Friction. Damage, wear and tear and potential hazardous conditions due to heat and friction to the belt can occur and is measured by this coefficient. The test concluded that the Argonics Polyurethane had the lowest coefficient of friction (see chart on left hand side). In fact, the friction value of Polyurethane is 64% lower than SBR rubber. In addition, polyurethane's non-porous nature restricts the amount of dust trapped under the skirt's surface, further eliminating damage and wear on the belt.



The Coefficient of Friction test concluded that Polyurethane has a friction value that is 64% than SBR rubber



Abrasive Index % unchanged



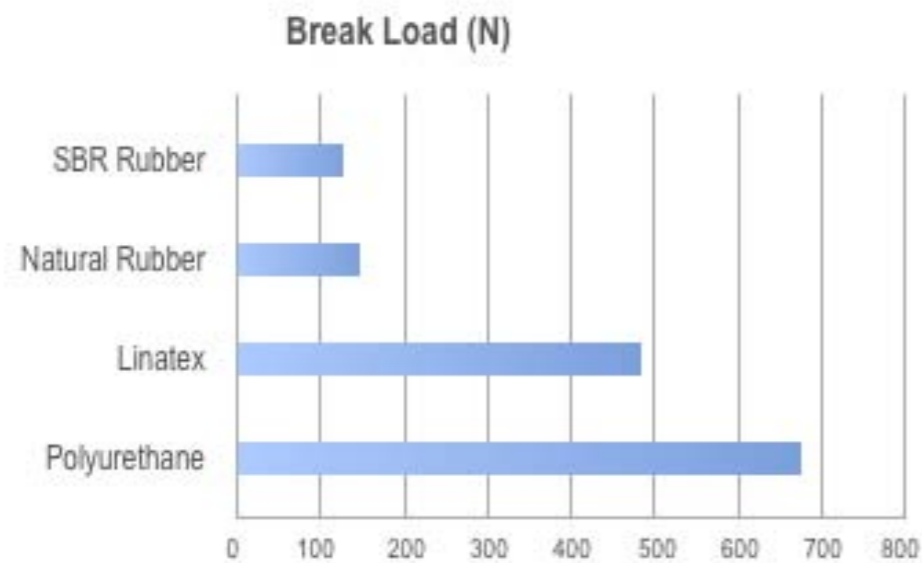
The Abrasive Resistance Test concluded that polyurethane is up to 326% more resistant to wear than rubber

K-Superskirt vs other materials - Abrasive Resistance Test

The second test was the Abrasive Resistance Test. The results showed that polyurethane is up to 326% more resistant to wear than SBR rubber.

Although Linatex proved to have good abrasion resistance in testing, it runs the high risk of belt damage due to its very high coefficient of friction. This basically translates to less material usage, lower running costs and overall safer work environment because there is less need to repair or replace parts and material in a usually dangerous and hazardous environment.



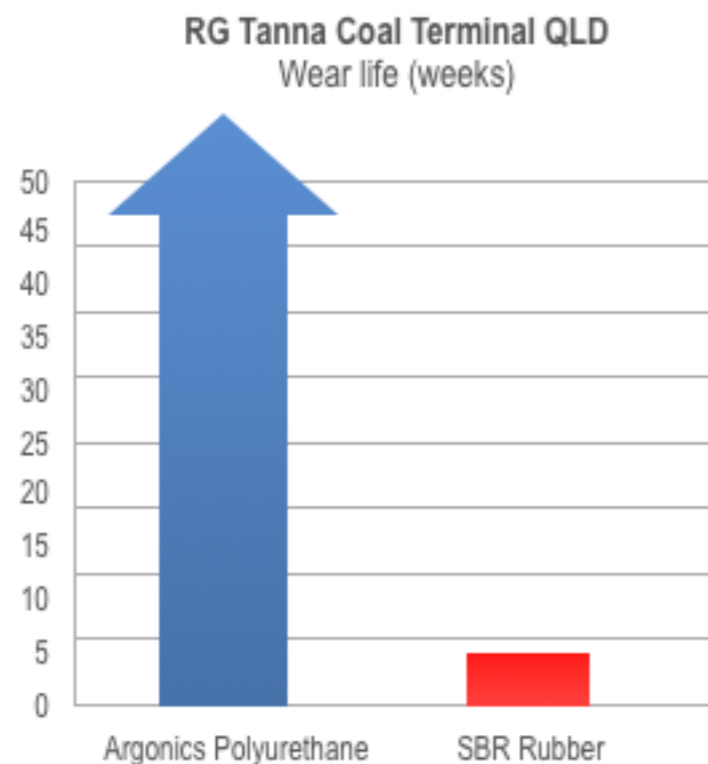


The Extensometer - Strain Gauge test concluded that polyurethane has the highest tensile strength of all the materials tested.

K-Superskirt vs other materials - Breakload Test

The final test was a breakload test (extensometer - strain gauge) to establish the tensile strengths of the materials. The results concluded that polyurethane has the highest tensile strength among the 4 tested. The results in the field corresponds with the test results, with examples of durability of between 8-10 times longer than high quality rubber skirting.





A recent trial in Gladstone, Queensland shows that polyurethane is outlasting SBR rubber by 10 times, and counting

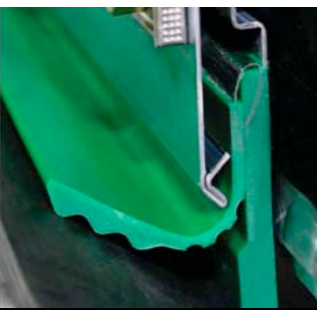
K-Superskirt - Case Study trial in Gladstone, Queensland

In a recent implementation at the RG TANNA Coal Terminal in Gladstone, Queensland, a conveyor transfer point from the wharf conveyor to the ship loader was trialed in September 2008 with a conveyor specifications of

- Load of 6000 TPH (tonnes per hour)
- Conveyor speed of 5.2 m/s
- 2400mm rubber conveyor belt width

As of June 2009, the polyurethane skirting is still running. Amazingly, an 11th June 2009 record shows that by that time only 1.5mm of wear has incurred.

This proves that so far, the K-Superskirt is outlasting SBR Rubber by 10 times, and it's still going.





Versatile and durable, the polyurethane K-Superskirt is here to revolutionise the Australian bulk handling industry!

Conclusion

Kinder & Co has been providing innovative bulk handling solutions to local and global markets since 1985. The K-Superskirt is a prime example of the kind of innovation the company is renowned for. Kinder & Co has and will always be committed to supporting the industry with the best technology that takes performance to greater heights but not at the expense of the environment. The K-Superskirt is a key example of that ethos in action - because it is durable, strong, reusable, recyclable and most importantly, reduces consumption and material wastage. In this case, this all adds up to a more profitable, efficient, effective and safer operation for the industry and its people.

