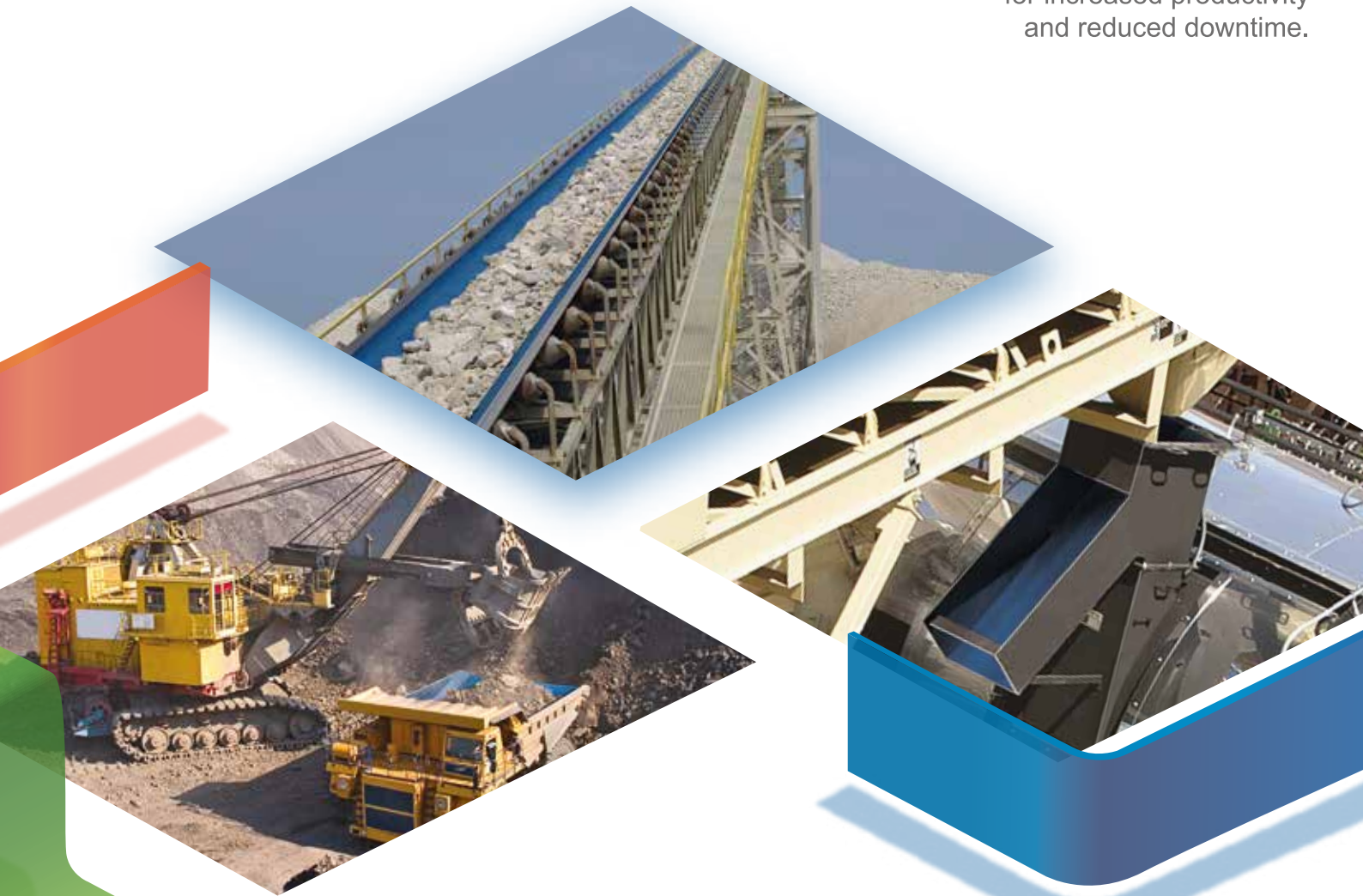


Specify
LinaShield

for increased productivity
and reduced downtime.



High Abrasion Resistance

Internationally mines insist on LinaShield for high abrasion applications from wear linings, screens, belts and conveyors to hoppers, skips, bins and dump truck linings.



LinaShield provides unrivaled abrasion resistance

LinaShield is a thermoplastic polyurethane sheeting developed for high abrasion applications including wear linings, screens, belts and conveyors. It qualifies as a high-grade thermoplastic elastomer (TPE), whilst exhibiting similar properties to that of rubber and traditional thermoplastics. LinaShield increases productivity by reducing downtime, as it outlasts conventional materials used in these applications:

Wear linings | Screens | Belts | Conveyors | Dump truck linings | Wagons | Silos | Chutes | Feeding channels | Magnetic separators | Cones | Hoppers | Crushers | Sorters | Skips | Bins | Slurry channels

Setting new standards for increased performance and reduced downtime in:

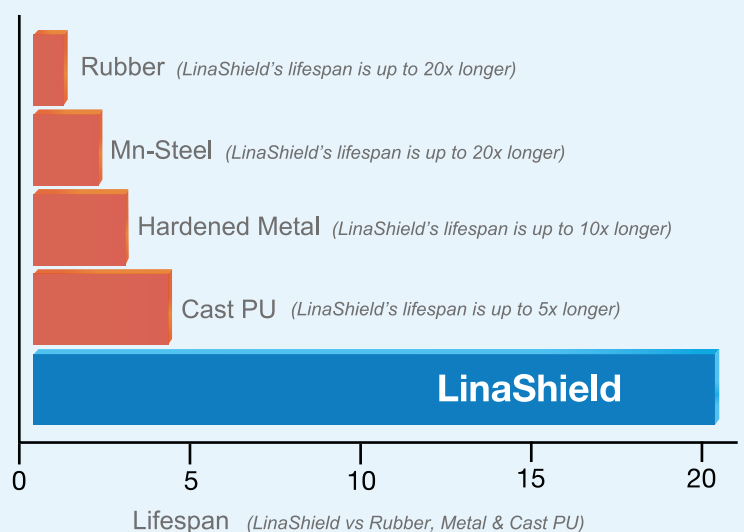
- Mines
- Copper casting plants
- Thermal power stations
- Transportation
- Farming

LinaShield benefits:

- Resilient against abrasion, strokes and penetration of sharp objects
- Withstands oils, greases, many solvents and fats
- Weather and high energy radiation resistant
- Elasticity in broad temperature range
- No skin irritation
- No plasticizers - ensuring enhanced longevity compared to rubber
- Perfect for welding and bonding
- Excellent low-temperature impact strength
- Improved up-time because it lasts longer
- Reduces vibration on bushings, bearings and other truck suspension elements, ensuring longer lifespan

Long Lasting Durability

LinaShield offers higher performance and a longer lifespan than conventional options**



** We cannot guarantee the exact longevity of LinaShield linings in different applications. Please consult Perspex SA for specified performance in various applications.

Applications

Wear Linings

Used to protect metal surfaces LinaShield is applied mechanically with glues or bolts. Typical applications include chutes, cyclones, mills, magnetic separators, cones, hoppers, crushers, feeders, sorters, screens, skips, bins, slurry channels and launders.

Dump Truck and Wagon Linings

LinaShield sheeting will protect metal surfaces, from falling stones that often cause massive accumulated damage, ensuring maximum longevity of the dump truck. It replaces expensive, high density hardened plates normally used to protect dump trucks. Having an additional soft rubber lining, LinaShield will ensure maximum absorption of the impact from falling stones and will minimise tears and abrasion.

Belts

Applying a 2mm LinaShield sheet on a rubber conveyor belt has proven to increase the life span of the rubber by four times. The enhanced longevity has been confirmed in Silica Stone quarries, wheat silo conveyors, gravel pits and mining applications.

Fabrication

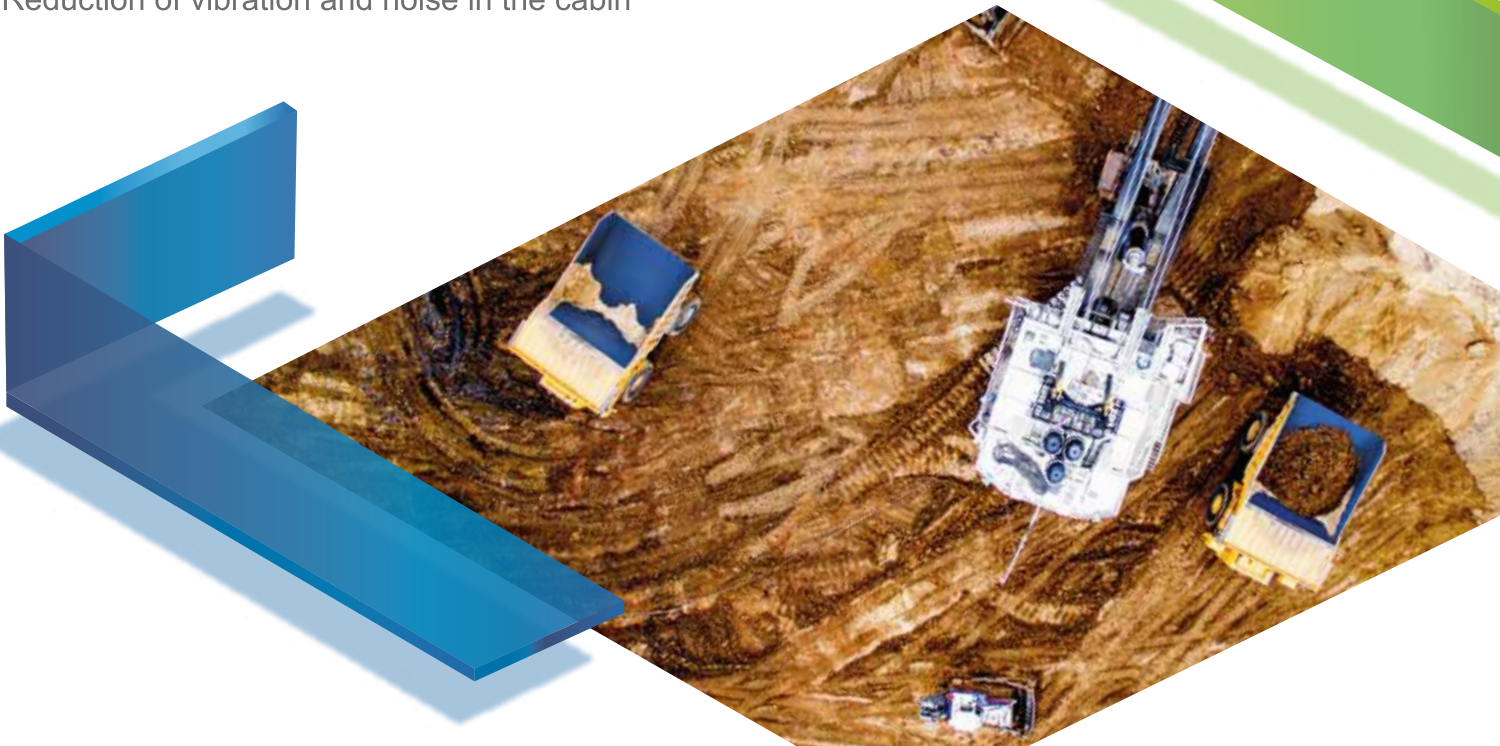
LinaShield is easily fabricated using a wide variety of methods including bonding, printing, coating, metallizing and welding.

Machining

Normal metal and wood-working machines may be used to machine LinaShield but may require sharp cutting tools. Excessive heat generation should be avoided and efficient removal of shavings must be ensured. Suitable types of machining include sawing, drilling, turning, milling, planing, punching, thread cutting and grinding.

Environmental advantages

- Noise and dust reduction
- Reduction of vibration and noise in the cabin



About Perspex SA

Perspex South Africa is the market leader in the supply of quality Perspex® Cast Acrylic products to Sub-Saharan Africa for over 60 years. The head office located in Johannesburg, South Africa, forms the hub of operations. An extensive national footprint includes sales offices and warehouses in Cape Town, Durban and Port Elizabeth, which also houses an extrusion manufacturing facility.

A comprehensive product range ensures that Perspex SA has a product for every project or industry. Products include Extruded Acrylic, PETG, PC, Multiwall Polycarbonate, Alupanel® and LED solutions all of which are sourced from reputable international manufacturers, and locally manufactured ABS, Acrylic Capped ABS, HDPE, PP, high impact polystyrene and high density polystyrene. Perspex SA's technical team will advise on the best solution for the job and explain the forming and fabrication capabilities of raw materials. All products carry appropriate warranties.

Perspex SA believes in pushing boundaries with a passion for the customer solutions plastic sheets and LED's offer, and the creative possibilities they present. The entire team take pride in finding inspired customer solutions that the Perspex SA range of products offer.

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