

# SECTION B. RUBBER LINER INDUSTRIAL CATALOGUE

***DURATRAY***

1ST EDITION

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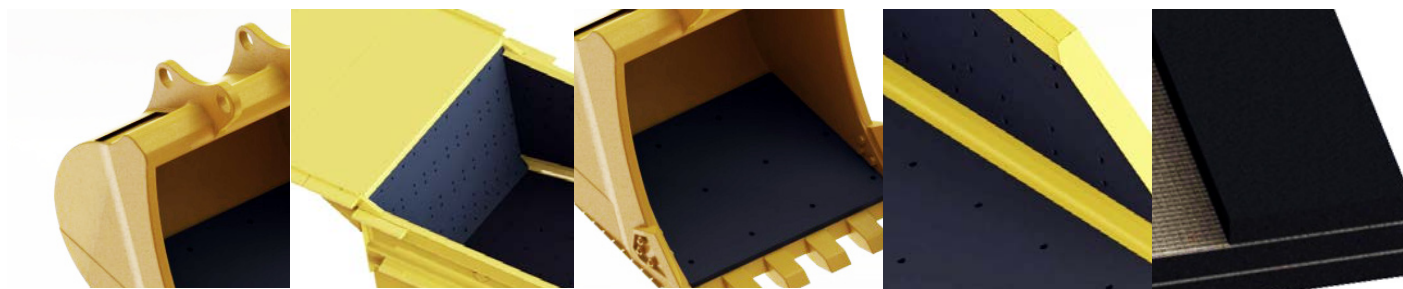
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Many mines and quarries handling abrasive materials are now cutting maintenance and downtime costs by protection their dump bodies with rubber liners.

Duratray manufactures rubber liners for all size and models of conventional truck bodies and shovels. We have over 30 years of extensive experience in the development of products and service to the mining sector and understand the requirements and the process of liners installation.

We provide solutions to end your troubles with sticky material buildup, severe abrasion, spillage, dust containment and much more.

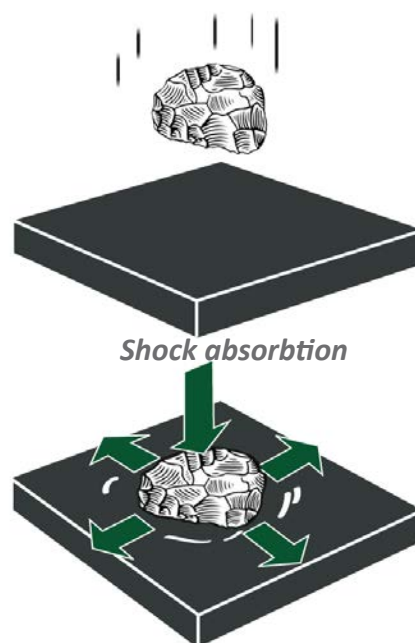
This catalogue introduces our products specially for rubber liners wear packages with their many benefits.



## Why use rubber Wear Liners?

The wear abrasion resistance of Duratray's special heavy duty compound is exceptional. Measured wear rates of 4mm- 12mm per 10,000 loads are typical for mine application, giving a wear life of 15,000-50,000 hours.

Rubber exhibits excellent elastic and dampening properties. This provides rubber components with the ability to absorb and dissipate energy from loading impact, without permanently deforming the original shape of the liner.



The benefit of absorbing and dampening the energy is to prevent shocks and vibrations transferring into and through the structure.

Reduced operator exposure to noise and shock is an increasingly important environmental advantage of using our rubber liners.

## Duratray Rubber Liner

Rubber plate liners fail where one panel butts up against another. Material is forced inside the join, perpetuating the weakness, and eventually forcing the liner up and exposing its edges to further damage.

Because we can make rubber liners of any sizes up to 8,400x7300 mm and at any thickness from 20 mm to 200mm, we can always supply customers with a single one piece liner.

Without any joins, the integrity of a Duratray Rubber liner is ensured.



## Duratrax Rubber Liner

Our Rubber Liners have proven to be long lasting, maintenance free, and extremely cost effective in any applications

100 thick Duratrax Rubber Liners have an equivalent weight to 15mm steel plate, yet will in most cases, outlast such a plate two to three times. The exceptional shock and noise dampening properties of our rubber liners are further operational advantages.

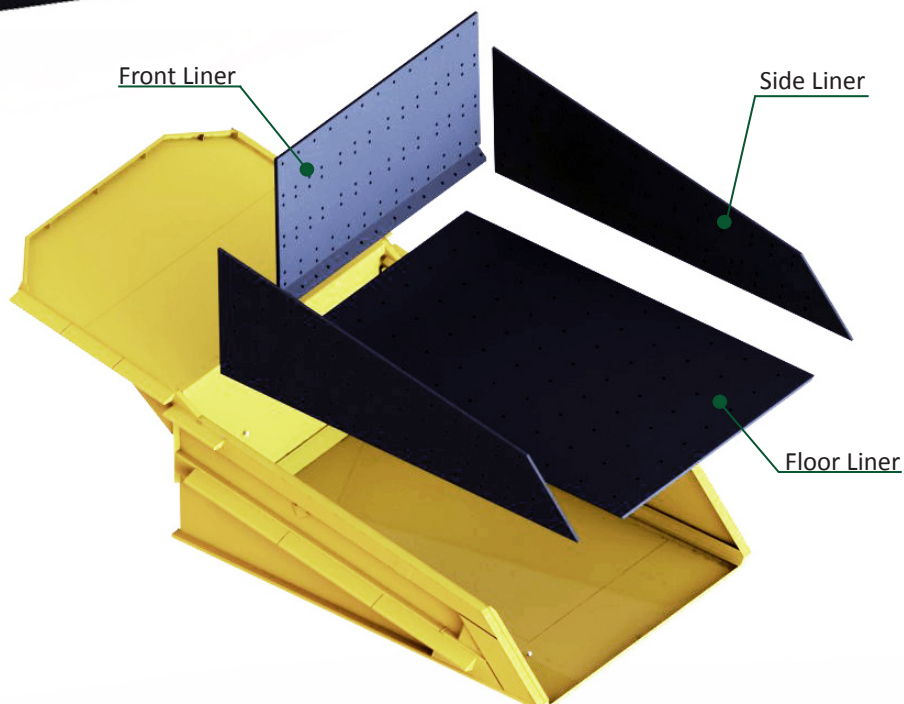
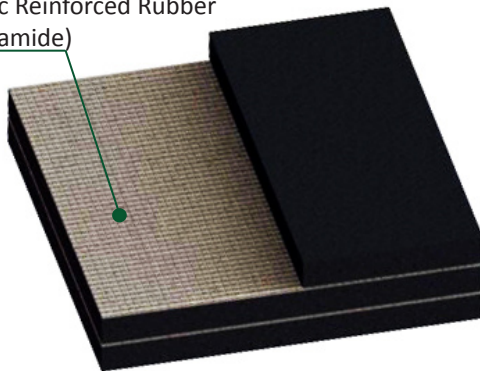


## Fabric Reinforced Rubber

All Duratrax rubber liners are reinforced with woven polyamide (used in heavy conveyor belting) and are manufactured to create compressive forces within the wear surface.

Together, this provides Duratrax Rubber Liners with outstanding cuts, tear and wear resistance.

Fabric Reinforced Rubber  
(Polyamide)



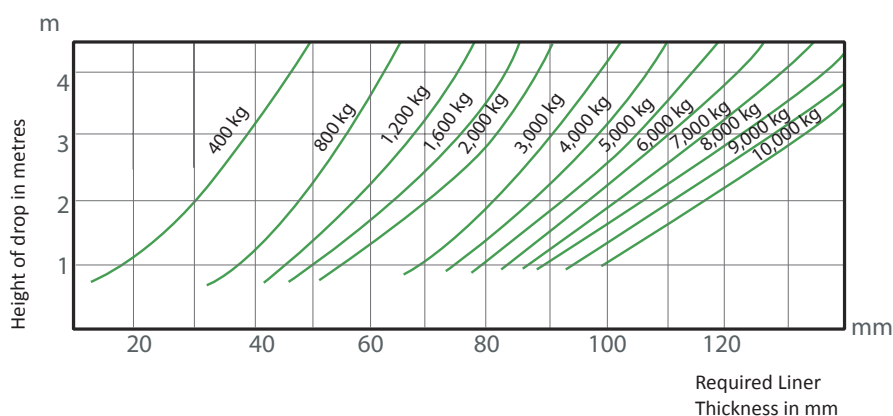


**Duratray Liners reduce typical flow problems of dump bodies.**

Comparison between Duratray Rubber and Steel  
The material adheres in the corner of steel tray. The corner areas are lined with Duratray Rubber to reduce carry-back.

## Liner Thickness

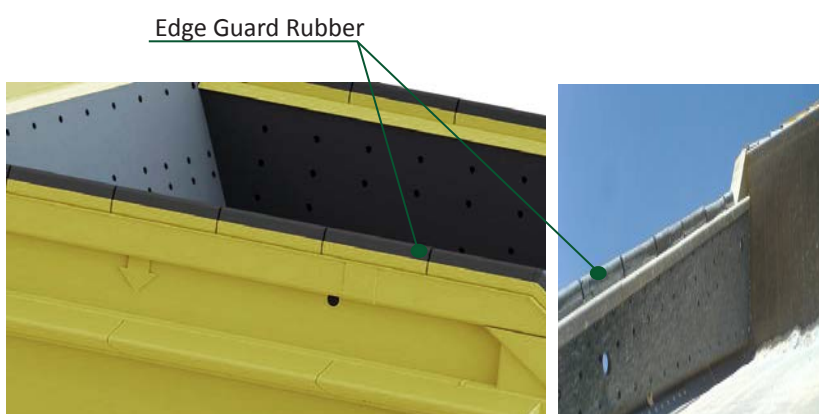
This graph is used to determine the minimum rubber liner thickness to suit your application. Consider both the 'height of the drop' and the 'weight of the largest lump' when loading the dump body.



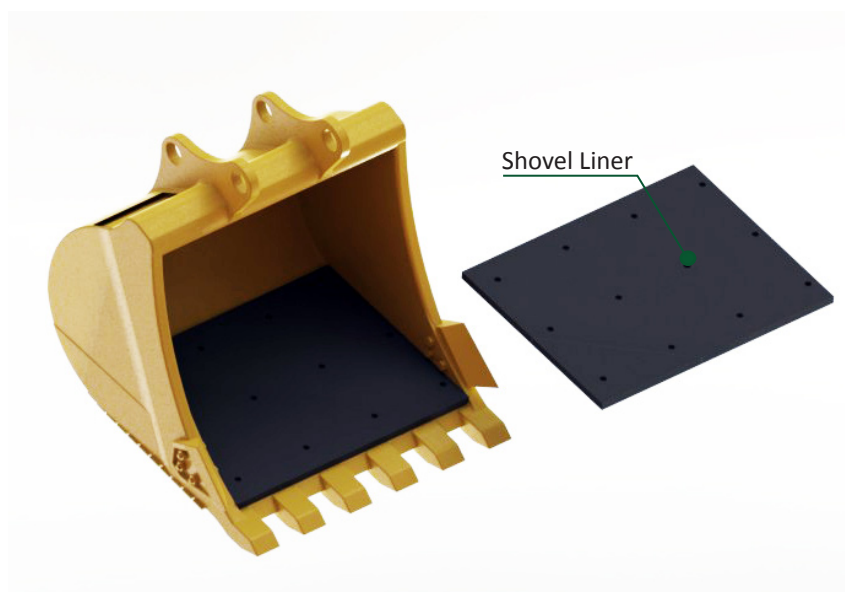


## Edge Guard Rubber

Duratrax has various other rubber products available including the edge guard rubber. The top edges of side-walls are protected with the rubber, which prevent the damage of steel bodies and reduce noise levels during loading the trays.



## Shovel Liner



*Duratrax Rubber liners are used in a wide variety of lining applications with specific requirements, such as trucks, chutes and shovels.*

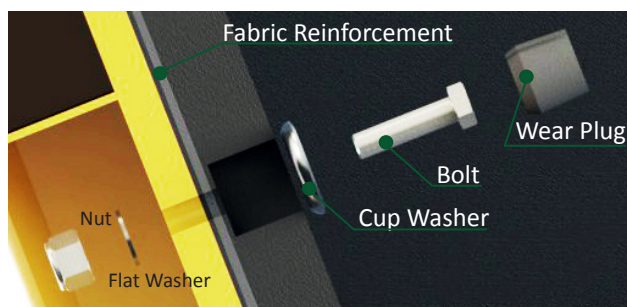


## Fixing Systems

Duratrax Liners are installed by mechanically fastening using bolted or welded studs. Both of them can be acceptable and chosen on specific requirements of the application. The liner system is easy to install, cost effective and maintenance free, increasing equipment availability.



Fixing system **Welded studs**



Fixing system **Bolted**



## Easy Installation

Our design makes for both an easy installation and replacement. The Fabric reinforced rubber can be either bolted or stud welded in place during installation, with no restriction on fixing points.



## Edge Protection

When installing Liners, the top of liners are protected by a sealing steel plate.





## DURATRAY

**Duratray International** is a specialist designer and manufacturer of high-efficiency Dump Bodies and rubber products for mining and quarry haul trucks.

Our rubber liners provides benefits in terms of resistance to extreme abrasion, reduced maintenance requirements - hence higher operational availability, significantly reduced carry-back with wet or cohesive materials, lower shock and vibration to the truck and its operator, plus reduced noise levels during loading and discharge.

Over the last 10 years a vast number of innovative engineering improvements have been undertaken on the Duratray product and we can now find the product being catered to specific mining applications with suitable standard designs to suit most standard mining, heavy rock abrasive bodies.



***A cost effective solution to increase the life of steel dump bodies***

***Lighter (3xLighter than steel wear plate)***

***Wear Resistance***

***Shock Absorption***

***Deflects Impact***

***Increase Availability***

***Noise Reduction***