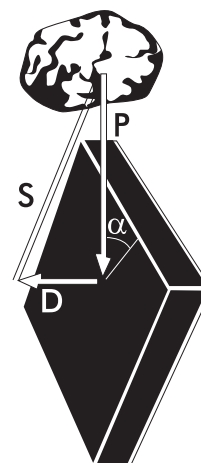
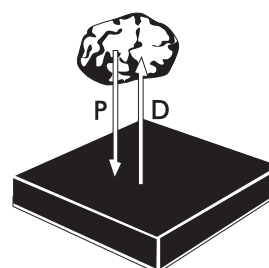


TEGA WEAR RESISTANT RUBBER LINERS

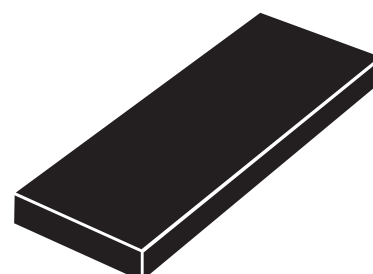
Rubber as a lining material has proved to be very useful in material handling applications due to its inherent dampening properties. The dampening effect of a rubber liner depends on angle of impact. When a material hits the wear plate at an angle (α) as in chutes, launders, hoppers, skips, feeders and similar installations, the impact force (P) can be resolved into a perpendicular force (D) and a shearing force (S). The perpendicular force will get dampened without causing any wear & permanent deformation, whereas the shearing force causes the actual wear, which increases with decrease in angle of impact. In such cases where angle impact is low, serrated rubber plates can be installed to achieve an impact angle close to 90°.



Tega wear resistant rubber liners are manufactured from special rubber compound by high pressure moulding which imparts abrasion, impact & corrosion resistant properties to these liners. These liner plates are available in solid type (SB-S) & reinforced type at hole position (SB-R). The wear pattern of these elements can be predicted fairly accurately which enables proper maintenance planning & hence reduces the overall costs.



SB Liner – Reinforced



SB Liner – Solid

Product Range

(SB-Solid and SB-Reinforced type)

500 mm × 1000 mm

500 mm × 1250 mm

750 mm × 1000 mm

750 mm × 1250mm

Thickness

T= 30,40,50,60,80,100,120 mm

Irregular Size as per requirement

Application Area

Primary & Secondary impacts, sliding & abrasion zones for Chutes, Hopper, Bins, Deck plates of Feeders etc.

Rubber plates are also available with 5 to 10 mm thick steel backing (SB-ST) for rigid fixing with the mother plate & to prevent bulging, floating, sagging from high impact loads.

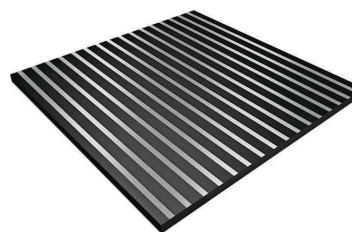
Serrated Rubber Liners are toothed wear plates available both as solid plates (PSB-S) & plates with reinforced molded holes (PSB-R). The liners are also available in the steel backed form. With serrated profile of liner, the speed of material in contact will be reduced resulting in decreased abrasion. This is required when material flow velocity is very high i.e. above the critical speed.



Product Range
Plate Size
500 mm × 1000 mm
500 mm × 1250 mm
Irregular size as per requirement
Thickness
T= 30, 50, 60, 80, 100, 120 mm

Application Area
Primary & Secondary impacts, sliding & abrasion zones for Chutes, Hopper, Bins, Deck plates of Feeders etc.

SB-PM® wear plate is a new generation composite product with high wear & impact resistant special steel inserted ribs within a resilient rubber matrix. The extremely hard steel element provides unsurpassed resistance to wear and impact absorbing the perpendicular force while the other shearing forces will be absorbed by Rubber due to its dampening properties. Tega Wear resistant SB-PM wear plate is used in high wear & impact areas where continuous plant operation is more important than cost of liner materials.



Product Range
Plate Size
510 mm × 510 mm
Irregular size as per requirement
Thickness
T= 60,80,100,120 mm

Application Area
Primary & Secondary impacts, sliding & abrasion zones for Chutes, Hopper, Bins, Deck plates of Feeders etc.

In addition to the above, Rubber liners with Heat Resistant & Flame Retardant properties called FSB Liners is a unique product developed by Tega for hot material handling applications e.g. wharf coke, sinter, slag etc.

Advantages of Rubber Liners	
■ Enhanced elasticity & dampening property absorbs impact loads providing cushioning effect.	■ Longer life resulting Lowercost/ton.
■ High resilience dissipates the heat load developed due to intermittent loading.	■ Less weight with respect to steel , hence easier to install.
■ Fire resistance from red hot Bulk Materials conforming protection to the structure.	■ Safe operation & prevents conveyor damage.
■ Low hardness compared to steel , reduces mineral degradation & tonnage loss in sized mineral handling.	■ Lower inventories can be maintained due to predictable wear pattern.